

NASA News

1F.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 95-81
Dick Young 305-867-2468

Immediate

SPACEPORT EMPLOYEES TO BE HONORED WITH RECEPTION, LAUNCH SEATS

KENNEDY SPACE CENTER, Fla.- A Kennedy Space Center contingent of 64 civil service and contractor employees is among 204 employees from throughout NASA being honored for their contributions to the Space Shuttle program and to the launch of the first mission.

The Spaceport employees have been invited to attend a special reception in their honor on the day prior to launch. Honoring them at the reception will be Dr. Alan Lovelace, NASA Acting Administrator, and members of the Astronaut Corps.

On launch day, they will be bused to a special viewing area set aside in their honor to watch STS-1 lift off from Pad A at KSC's Launch Complex 39.

The first Space Shuttle mission is to last 54 hours, 30 minutes, in a demanding flight test of the revolutionary new space transportation system which is to be the mainstay of the nation's presence in space into the 1990s.

The KSC honorees by place of residence and employer include:

James L. Page, Cape Canaveral; Robert W. Graham and James B. Webb, Cocoa; George H. Bowman III, Merritt Island; Sarah F. Allen and Patricia Ann Leslie, Orlando; Charles Clifford Baker, Satellite Beach, and Johnny W. Chappell, Thornton Combs, Charles Givens, Russell L. Smith and Robert W. Styles, all of Titusville, BOEING SERVICES INTERNATIONAL, INC.

David G. Shelton, Cocoa Beach; Reid Knight, Melbourne; John F. Reedich Jr., Port Orange; Allison J. Peck, Kenny Poff, and David Raub, all of Titusville, COMPUTER SCIENCES CORPORATION; Walter B. Bridges and Benny Douglas, both of Titusville, COMPUTER SCIENCES CORPORATION (RCA SERVICE CO.).

more

Donald F. Wilfert, St. Petersburg, DEFENSE LOGISTICS AGENCY; Merwin Wooten, Cocoa, EXPEDIENT SERVICES, INC.; Lowell T. Mullins, Orlando, GENERAL SERVICES ADMINISTRATION MOTOR POOL; Kirk P. Jordan, Rockledge, IBM CORPORATION; Timothy P. Ferris, Titusville, MC DONNELL DOUGLAS TECHNICAL SERVICES CO.; W. Jean Gibson, MC GREGOR & WERNER, INC.; David E. Boshart, Merritt Island, and David Brown, Indian Harbour Beach, both of MARTIN MARIETTA CORPORATION.

David C. Diehl and Kathy King Whitcomb, Cocoa Beach; Russel E. Rhodes, Indian Harbour Beach; Luther Crane, Melbourne; Robert Garthwaite, New Smyrna Beach; Robert E. Wilson, Rockledge; David R. Schechter and Mary Ann Settle, Satellite Beach; George I. Clark Jr., Hector N. Delgado and Ronald L. Phelps, NATIONAL AERONAUTICS & SPACE ADMINISTRATION.

Jane Page, Cape Canaveral, NEW WORLD SERVICES, INC.; Jerry W. Rowton, Titusville, PAN AMERICAN WORLD AIRWAYS, INC.; Helen S. Filkins, Cape Canaveral; Ronald L. Hippensteel, Cocoa; Samuel H. A. Hirst and Alvin W. Scheving, both of Cocoa Beach; Eugene J. Cox, Carner W. Dowling Jr. and Daniel E. Kaylor, Merritt Island, and Dennis M. McCarthy, Rockledge, PLANNING RESEARCH CORPORATION.

Edward D. Schepler, Cocoa, ROCKETDYNE; Earl B. Wilen, Cape Canaveral; Francis J. Poitras Jr., Cocoa; Clarence E. Detro, Orlando; A. M. Carey and W. F. Edson, Rockledge; J.T. Webb, Satellite Beach, and P. B. Bruns, Titusville, ROCKWELL INTERNATIONAL.

R. Bruce Hoover, Titusville, TECHNICOLOR GRAPHIC SERVICES; Burton R. Prince, Orlando, TWA SERVICES, INC.; David Brown, Titusville, UNIFIED SERVICES, INCORPORATED; Bernardine Haugen, Merritt Island, and Harold F. Lelle, Mims, UNITED SPACE BOOSTERS, INC.; Hilda R. McCollum, Merritt Island, and Dwight I. Nemnich, Satellite Beach, WACKENHUT SERVICES INCORPORATED.

(Editor's Note: This group includes a husband and wife team, James Page, Boeing Services International, and Jane Page, New World Services. The Pages live in Cape Canaveral and were nominated independently by their respective employers.)

THE END

NASA News

National Aeronautics and
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John F. Kennedy Space Center
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For Release:

KSC NEWS RELEASE NO. 107-81
Dick Young - Area Code 305-867-2468

Immediate

HONEYWELL AWARDED CONTRACT FOR VANDENBERG AFB LAUNCH ELEMENTS

KENNEDY SPACE CENTER, Fla. - NASA's John F. Kennedy Space Center has awarded a \$19,422,731 contract for Space Shuttle Launch Processing System elements at Vandenberg Air Force Base, California, to Honeywell Information Systems Inc., 7900 Westpark Avenue, McLean, Va.

The contract performance period extends from June 1, 1981, through September 30, 1982. Annual options which may be exercised thereafter extend through September 30, 1986, and bring the potential aggregate value of the contract to \$34,032,479.

Under the contract, Honeywell will provide additional computers and provide maintenance and software analyst support for the Central Data Subsystems of the Launch Processing System at Vandenberg AFB.

The Launch Processing System will control and perform much of the Space Shuttle vehicle checkout automatically while the vehicle components are being prepared for launch. It will also provide the capability for work order control and scheduling and conduct countdown and launch operations.

The LPS has been divided into the Central Data Subsystem and the Checkout, Control, and Monitor Subsystem. The latter subsystem is used for vehicle checkout, countdown and launch.

The Central Data Subsystem stores vehicle processing data, a master program library, historical data, pre- and post-test data and other information.

The Kennedy Space Center is NASA's primary launch and recovery site for the Space Shuttle with the initial flight scheduled for launch in April, 1981. Launch and recovery facilities are under construction at Vandenberg AFB with the first missions from there scheduled for launch in the mid-1980s.

The End

NASA News

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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC NEWS RELEASE NO. 108-81
Dick Young - Area Code 305-867-2468

Immediate

VIRGINIA FIRM AWARDED CONTRACT FOR SPACEPORT LAUNCH ELEMENTS

KENNEDY SPACE CENTER, Fla.- NASA's John F. Kennedy Space Center has awarded a \$10,750,331 contract for Space Shuttle Launch Processing System elements to Honeywell Information Systems Inc., 7900 Westpark Avenue, McLean, Va.

The contract performance period extends from September 1, 1981, through September 30, 1982. Annual options which may be exercised thereafter extend through September 30, 1986, and bring the potential aggregate value of the contract to \$62,286,698.

Under the contract, Honeywell will provide additional computers and system support for the Central Data Subsystem of the Launch Processing System.

The Launch Processing System, located in the Launch Control Center at Launch Complex 39, will control and perform much of the Space Shuttle vehicle checkout automatically while the vehicle components are being prepared for launch. It will also provide the capability for work order control and scheduling and conduct countdown and launch operations.

The LPS has been divided into the Central Data Subsystem and the Checkout, Control, and Monitor Subsystem. The latter subsystem is used for vehicle checkout, countdown and launch.

The Central Data Subsystem stores vehicle processing data, a master program library, historical data, pre- and post-test data and other information.

The Kennedy Space Center is NASA's primary launch and recovery site for the reusable Space Shuttle with the initial flight scheduled for launch in April, 1981.

Landings on the first four missions will be made on the vast dry lake bed at the Dryden Flight Research Center, Edwards Air Force Base, California. Landings will be made at KSC's Shuttle Landing Facility beginning with the fifth mission.

The End

NASA News

National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

1F.5 #18

Ken Young
NW 5/12/81

NOTICE TO EDITORS/NEWS DIRECTORS:

For Release:

KSC RELEASE NO. 136-81

Immediate

Dick Young - Area Code 305-867-2468

NASA TO LAUNCH GOES-E WEATHER SATELLITE MAY 14

KENNEDY SPACE CENTER, Fla. - NASA will launch the GOES-E weather satellite for the National Oceanic and Atmospheric Administration no earlier than Thursday, May 14.

Launch will be aboard a Delta rocket from Complex 17 at Cape Canaveral Air Force Station during a window extending from 6:33 to 6:49 p.m. Eastern Daylight Time. Launch will be conducted by the Kennedy Space Center's Deployable Payloads Operations Directorate.

The new GOES (for Geostationary Operational Environmental Satellite) spacecraft will be placed in a stationary orbit 22,240 miles above the equator at 85 degrees west longitude and will go on service to monitor weather conditions over the eastern half of the United States and Canada, all of Central and South America and much of the Atlantic Ocean.

The GOES-E mission and Delta launch operations are outlined in the press kit accompanying this release.

A prelaunch news conference on the GOES-E mission will be held in the Conference Room of the E&O Building at Cape Canaveral Air Force Station at 11 a.m. on Wednesday, May 13. News media representatives with permanent badges may drive directly to the E&O Building via Gate 1, Cape Canaveral Air Force Station, or the NASA Causeway which is accessible via Florida Route 3 or U.S. Route 1 two miles south of Titusville. Those without permanent badges should call the news center at Area Code 305-867-2468 to make necessary badging arrangements.

On launch day, media representatives with permanent badges may drive directly to Press Site 1 on Cape Canaveral Air Force Station. Others will be badged at the Gate 1 Pass and Identification Building at Cape Canaveral Air Force Station accessible via Florida Route 401 between 5 and 5:45 p.m.

Those unable to cover the launch in person may monitor mission operations by dialing the KSC Operator at Area Code 305-867-7110 and asking for the V-2 Circuit.

End

May 5, 1981

NASA News

1F.5 #18

National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Immediate

KSC NEWS RELEASE NO. 139-91
Ann Skinner - Area Code 305-867-2468

HIALEAH FIRM TO BUILD SHUTTLE PAYLOAD BAY DOOR DEVICE

KENNEDY SPACE CENTER, FLA.--A Hialeah firm has been awarded a \$24,150 contract to manufacture the equipment that allows the Space Shuttle's payload bay doors to be opened and closed on earth.

Fandino & Sons, Inc., of 1111 E. 52nd St., Hialeah, will fabricate a counterweight device used to permit opening and closing the doors in a horizontal position. The device supports the weight of the doors in normal earth gravity. It will be used at Vandenberg Air Force Base, California, from where the Shuttle is to be launched into polar (south-north) orbit, starting in the mid-1980s.

The contract is one set-aside for award to a small business firm.

The machinery is substantially the same as that now used in the Orbiter Processing Facility at KSC.

The payload bay doors of the shuttle are opened in space to dissipate heat from the spacecraft through radiators on the doors, to allow the crew to deploy cargo such as satellites, and to expose certain experiments to the space environment.

The doors are made of a composite of graphite and epoxy. They are 60 feet long and weigh 3,264 pounds each. Their hinges, which are made of Inconel, a corrosion-resistant alloy of nickel and chromium, are not designed to support the weight of the doors in the open, horizontal position in normal earth gravity.

The space shuttle is a revolutionary new transportation system designed to provide routine and economical access to and from space for commercial, scientific and defense needs. Kennedy Space Center is the primary launch and landing site, but certain payloads will be launched and recovered at the Vandenberg site.

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May 6, 1981

NWST-2

Frank Jarrett
SI
SI-SRV-1

NASA News

1F.5 #18

National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

Roland F. Raab
305-867-2468

For Release:
Immediate
May 7, 1981

KSC NEWS RELEASE NO. 138-81
APRIL ATTENDANCE SETS RECORD AT KSC

KENNEDY SPACE CENTER, FL. -- Visitor attendance at Kennedy Space Center's Visitors Center set a new record for the month of April with nearly 200,000 flocking to the tourist attraction. So far in 1981, each month has set new attendance records, making the best four month period in the Visitors Center history.

Attendance records show that 198,688 persons came to the space center's free Visitors Center, with nearly 160,000 of those taking the nominally-priced guided bus tour, more than in any other April since the attraction opened in 1966. The 1981 total for the month surpassed the April 1980 attendance by 26.3 percent.

Figures for the attraction began to soar just after Christmas of last year, largely due to public interest in the Space Shuttle. The current trend points to a possible yearly record for 1981. Attendance at this point in the year is running 24.2 percent ahead of 1980, which itself was a near record year. So far, 1972, the year of the Apollo 16 and 17 missions, was the busiest, with 1,389,049 visitors. Every month so far in 1981 has set new records for that respective month.

More than 20 million people have come to the Visitors Center since it was opened in 1966 in order to view its wide array of static and dynamic exhibits, rocket and spacecraft displays, space movies and space science demonstrations. The nominally-priced bus tour provides close-up glimpses of KSC's operational areas, including the Space Shuttle launch pad.

The Visitors Center is expected to grow in the future, due to a \$8.5 million expansion agreement with TWA Services Inc., the Visitors Center concessionaire. New attractions being planned include a large screen theater, a 500-seat theater, an added exhibit area, and additional food, souvenir and support facilities.

The Visitors Center is open every day of the year except for Christmas and certain launch days, and can be reached via the NASA Causeway off U.S. Route 1, two miles south of Titusville, and also via State Road 3 on Merritt Island.

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NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 141-81
Ann Skinner - Area Code 305-867-2468

Immediate

BIONETICS CORP.OF HAMPTON, VIRGINIA, AWARDED CONTRACT EXTENSION

KENNEDY SPACE CENTER, FLA.--The Bionetics Corporation of Hampton, Virginia, has been awarded a nine-month, \$2,045,395 extension of its contract to maintain reference standards and to repair and calibrate electronic and mechanical test equipment at NASA'S John F. Kennedy Space Center.

This is the fifth extension of the Bionetics contract and brings its total value since May, 1976, to \$8,924,869. Bionetics is a small business firm.

The cost-plus-fixed-fee contract extension covers the period from May 1, 1981, through Jan. 31, 1982.

The Kennedy Space Center is the primary launch and landing site for the Space Shuttle, the revolutionary new transportation system designed to provide routine and economical access to and from space for commercial, scientific and defense needs.

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May 7, 1981

Frank Jarrett
SI
SI-SRV-1

SI-SRV-3

NASA News

IF.5 #18

National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
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For Release:

KSC RELEASE NO. 142-81
Ann Skinner - Area Code 305-867-2468

Immediate

FLOWERS CHEMICAL AWARDED NASA CONTRACT

KENNEDY SPACE CENTER, FLA.--Flowers Chemical Laboratories of Altamonte Springs, Florida, has been awarded a one-year, \$45,374 contract by NASA's John F. Kennedy Space Center.

The contract calls for the laboratory to develop techniques that will allow more efficient and economical disposal of certain wastes that must now be treated as hazardous.

The waste in question is produced when a compound called Marshall Sprayable Ablative (MSA) is applied to the nose cones and aft-skirt fairings of the recoverable Solid Rocket Boosters that help propel the Space Shuttle toward orbit. An ablative substance is a form of insulation that protects by burning away as the SRBs, for example, move from lower to higher temperatures.

MSA is prepared by combining a powder with a liquid base containing solvents. It is then sprayed on the SRB sections to be protected. The leftovers from spraying and finishing must be disposed of as hazardous waste. Some waste is also produced when the rockets are being prepared for reuse.

If the solid ingredients in the waste could be separated from the liquid, the volume of hazardous waste would be reduced. Recovering the solvents from the liquid waste would further decrease its toxicity.

The contract is one set-aside for award to a small business firm.

Kennedy Space Center is the primary launch and landing site for the reusable Space Shuttle, a revolutionary new transportation system designed to provide routine and economical access to and from space for commercial, scientific and defense needs. The shuttle made its debut with a successful 54-hour mission in space from April 12-14 of this year.

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May 7, 1981

NASA News

1F.5 #18

National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release

KSC RELEASE NO. 143-81
Dick Young - Area Code 305-867-2468

Immediate

NOTICE TO EDITORS/NEWS DIRECTORS:

WORKSHOP TO BE HELD MAY 14 ON GOES SATELLITE APPLICATIONS

KENNEDY SPACE CENTER, Fla. - A workshop on the uses of data from Geostationary Operational Environmental System satellites will be held in conjunction with the launch of GOES-E on Thursday, May 14.

The GOES-E launch aboard a Delta rocket is scheduled for a window extending from 6:33 to 6:49 p.m. EDT on that date.

The workshop will be held at the News Facility at the Complex 39 Press Site on May 14 beginning at 2:30 p.m. and is sponsored jointly by the National Oceanic and Atmospheric Administration and NASA's Kennedy Space Center.

Speakers and their topics include Edward M. Bisone, NOAA National Environmental Satellite Service, "The New GOES Spacecraft"; C. Richard Jones, Manager, NASA Division, Space and Communications Group, Hughes Aircraft Co., "The Visible Atmospheric Sounder (VAS)"; Dr. James Brown, NASA Goddard Space Flight Center, "The VAS Experience"; Donald E. Gaby, NOAA/NESS at Miami, "The Use of GOES Data Today"; U. Reid Barnett, NASA Kennedy Space Center, and Fred Crosby, National Weather Service, Ruskin, Fla., "Satellite Freeze Forecast System", and E. Larry Heacock, Director, Office of Systems Integration, NOAA/NESS, "The Use of GOES Data Tomorrow".

The workshop is a supplement to the GOES-E prelaunch conference scheduled for 11 a.m. on Wednesday, May 13. It is designed primarily for the benefit of weather reporters but is open to any news media representative who wishes to attend. It will be concluded in ample time to permit coverage of the GOES-E launch.

Media representatives who wish to attend this workshop should contact the KSC News Center at Area Code 305-867-2468 by 10 a.m. Thursday, May 14.

May 8, 1981

NASA News

1F.5 #18

National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
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For Release:

KSC RELEASE NO. 145-81

Immediate

Dick Young - Area Code 305-867-2468

FLORIDA SMALL BUSINESSES BENEFIT FROM SPACEPORT CONTRACTS

KENNEDY SPACE CENTER, Fla. - The Kennedy Space Center is among the NASA centers and government agencies observing the week of May 10 as Small Business Week.

By presidential proclamation, the week honors the 12 million small businesses which provide the livelihood of more than 100 million Americans.

As part of the KSC observance, Fred Boles, KSC Procurement Officer, will make a presentation on KSC's contribution to the small business community at the Brevard Community College Lecture Auditorium, Room 104, Vocation Center, in Cocoa, on Saturday, May 23, from 9:30 - 11:30 a.m. The presentation is open to the public without charge.

During Fiscal Year 1980, KSC issued \$46.2 million in more than 20,000 awards to small businesses. Of that amount, about \$19.2 million went to Florida-based firms, many of them in Brevard County.

Thus far in Fiscal Year 1981, KSC has awarded over \$40 million to small business concerns. Since Fiscal Year 1970, the value of awards to small business concerns by KSC has exceeded \$257 million.

In a memorandum to center managers, KSC Director Richard G. Smith noted: "To implement this new emphasis on the Small Business Program, all personnel who participate in the requirements process - engineers, logisticians, procurement personnel - must be alert to the small business opportunities available.

"Your understanding and support of our efforts to place awards with small business firms, whenever possible, are essential to its success. Please join with me in supporting this segment of the private enterprise sector."

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May 13, 1981

NASA News

1E.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

KSC RELEASE NO. 147-81
Ann Skinner - Area Code 305-867-2468

For Release:
Immediate

NASA RESEARCH CONTRACT AWARDED TO F.I.T.

KENNEDY SPACE CENTER, FLA.--NASA's John F. Kennedy Space Center has awarded a contract to the Florida Institute of Technology, University Boulevard, Melbourne, for research on improvement of systems to remove the vapors of hypergolic liquids.

The value of the one-year contract, which also calls for a preliminary design of the improved system, is \$62,005.

Hypergolic propellants are used in the Space Shuttle's Orbital Maneuvering Subsystem and its Reaction Control Subsystem. They are also used on unmanned vehicles such as the Delta.

Hypergolic propellants are liquids that ignite on contact, without an ignition system. This easy start and restart capability makes them desirable for spacecraft maneuvering systems. They are also easy to store because they do not have extreme temperature requirements. Some other rocket propellants, such as liquid hydrogen and liquid oxygen must be kept extremely cold.

The vapors from hypergolic liquids are extremely toxic, and working with them requires stringent safety precautions.

At KSC, hypergolics are handled at times in the Orbiter Processing Facility, the Hypergolic Logistics Facility, the Hypergolic Maintenance Facility and at launch pads. Their vapors also must be dissipated at the Shuttle's secondary landing site at Edwards Air Force Base in California.

The Kennedy Space Center is the primary launch and landing site for the reusable Space Shuttle, which made its first test flight in April. The Space Shuttle is a revolutionary new transportation system designed to provide routine and economical access to and from space for commercial, scientific and defense needs.

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May 13, 1981

NASA News

1F.5 #18
NWSF-E

National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
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For Release:
Immediate

KSC RELEASE NO. 144-81
Ann Skinner - Area Code 305-867-2468

SANTA ANA, CALIFORNIA, FIRM WINS NASA CONTRACT

KENNEDY SPACE CENTER, FLA.--ACL-Filco Corporation, 3333 West Warner Ave., Santa Ana, Calif., has been awarded a contract of \$2,190,844 by NASA's John F. Kennedy Space Center to produce 26 control panels used in processing Space Shuttle orbiters between missions.

The panels and associated hardware are used in draining hypergolic propellants from the orbiter's Auxiliary Propulsion System and the Forward Reaction Control System, securing those systems and checking them out. When the Space Shuttle returns from orbit some fuel remains in the systems.

Twelve of the panels, known as hypergol valve complexes, will be added to the two already in use in KSC's Orbiter Processing Facility, and fourteen will be installed in the Shuttle launch facilities now under construction at Vandenberg Air Force Base, California. When the shuttle is in full operation, certain payloads will be launched on a south-north polar orbit from Vandenberg.

Hypergolic propellants are liquids that ignite on contact without an ignition system. This easy start and restart capability makes them useful for spacecraft maneuvering systems. Some unmanned vehicles, such as the Delta, also use hypergolic propellants.

ACL-Filco is a small business firm. The work is to be completed between mid-May, 1981, and October, 1982.

The Kennedy Space Center is the primary launch and landing site for the reusable Space Shuttle, which made its first test flight in April. The Space Shuttle is a revolutionary new transportation system designed to provide routine and economical access to and from space for commercial, scientific and defense needs.

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May 14, 1981

NASA NEWS

IF.5 #18

CIRCULATE

NEWSI-E

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 148-81
Dick Young - Area Code 305-867-2468

Immediate

SPACE ACHIEVEMENT STAMPS TO BE ISSUED AT KSC MAY 21

KENNEDY SPACE CENTER, Fla. - A colorful eight-stamp block of postage stamps designed to commemorate the nation's achievements in space will be issued at the Kennedy Space Center's Visitors Center on Thursday, May 21.

Participating in the noon ceremony being held as part of the first day of issue will be astronauts John Young and Bob Crippen, who recently flew the highly successful first mission of the Space Shuttle, KSC Director Richard G. Smith, Senior Assistant Postmaster General Jim Fineh, Orlando Postmaster Jim Bryant and Robert McCall, the Arizona artist who designed the stamps.

Music for the ceremony - which is open to the public - will be provided by the band from the U.S. Naval Training Center in Orlando.

The 18-cent stamps feature the Space Shuttle in the central portion of the unusual design. The four center stamps depict the shuttle at liftoff, being boosted into orbit, circling the Earth and landing. On either side of the center block of four is a vertically-oriented pair of smaller size stamps highlighting other United States space achievements.

The stamps in the Space Shuttle block of four bear the legend "Benefiting Mankind." The two stamps to the right carry the labels "Understanding the Sun" (upper stamp) and "Comprehending the Universe" (lower stamp). The Skylab space workshop is depicted at the upper right and the Space Telescope, to be carried into orbit by the shuttle in the mid-1980s, appears at lower right.

The stamps on the left side of the design feature the Apollo lunar exploration missions and Pioneer 11. The vignette of the upper left stamp depicts an astronaut on the Moon and bears the legend "Exploring the Moon." The lower left stamps shows the Pioneer 11 spacecraft and carries the legend "Probing the Planets."

more

KSC RELEASE NO. 148-81 - - Page 2

According to the U. S. Postal Service, there will be 48 stamps per panel.

The stamps will be on sale at the Spaceport's Visitors Center from 8:30 a.m. - 5 p.m. on May 21. A handback, first-day cancellation service - limited to 50 covers per customer - will also be provided.

Postal patrons may order first day cancellations through the Kennedy Space Center Postmaster.

The Postal Service strongly urges customers to buy their own stamps and affix them to their covers themselves. To ease customer-affixing of stamps, the deadline for ordering first day cancellations has been extended for 45 days beyond the first day of issue date. Covers bearing customer-affixed stamps will be given preferential service.

All envelopes must be addressed and peelable address labels are recommended for this purpose. Stamps must be affixed in the upper right corner of envelopes, approximately one-quarter inch from the top and one-quarter inch from the right edge. Return addresses should be placed on the right side of envelopes, at least 5/8 of an inch up from the bottom. A filler of postal card thickness should be inserted in each cover. The envelopes may be forwarded to "Customer-Affixed Envelopes, Postmaster, Kennedy Space Center, FL. 32814." No remittance is required.

For Postal Service affixed stamps, the USPS will affix only the entire block of eight stamps to envelopes submitted by customers. No individual stamps will be affixed, and orders requesting individual stamps will be returned unserviced. Customers must submit envelopes of a sufficiently large size to accommodate the eight stamps. Orders should be addressed to "Space Achievement Stamps, Postmaster, Kennedy Space Center, FL. 32815."

Personal checks in the exact amount will be accepted as remittance for orders up to the limit of 50 covers. Orders must be postmarked no later than July 6, 1981.

The KSC Visitors Center where the first day of issue ceremony is being held is accessible via the NASA Causeway off U. S. Route 1 two miles south of Titusville and Florida Route 3 on Merritt Island.

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May 14, 1981

NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
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For Release:

KSC RELEASE NO. 152-81
Dick Young - Area Code 305-867-2468

NOTICE TO EDITORS/NEWS DIRECTORS:

INTELSAT V NEWS CONFERENCE SCHEDULED FOR MAY 20

KENNEDY SPACE CENTER, Fla. - A prelaunch news conference for the Intelsat V mission scheduled for launch on May 21 will be held in the Conference Room of the E&O Building, Cape Canaveral Air Force Station, at 11 a.m. EDT on Wednesday, May 20.

Launch of Intelsat V aboard Atlas Centaur-56 from Complex 36 at Cape Canaveral Air Force Station is scheduled May 21 during a window extending from 6:24 to 6:44 p.m. EDT.

Launch of new, high-capacity communications satellite will be conducted by KSC's Expendable Vehicles Operations Directorate.

The Intelsat V mission and Atlas Centaur launch operations are outlined in the press kit accompanying this release.

News media representatives with permanent badges may attend the news conference by driving directly to the E&O Building via Gate 1, Cape Canaveral Air Force Station, or the NASA Causeway which is accessible via Florida Route 3 or U.S. Route 1 two miles south of Titusville. Those without permanent badges should call the news center at Area Code 305-867-2468 to make necessary badging arrangements.

On launch day, media representatives with permanent badges may drive directly to Press Site 1 on Cape Canaveral Air Force Station. Others will be badged at the Gate 1 Pass and Identification Building accessible via Florida Route 401 between 4:45 and 5:30 p.m.

Those unable to cover the launch in person may monitor mission operations by dialing the KSC Operator at Area Code 305-867-7110 and asking for the V-2 Circuit.

End

May 18, 1981

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

1F.5 #18

For Release:

KSC RELEASE NO. 154-81
Dick Young - Area Code 305-867-2468

Immediate

NOTICE TO EDITORS/NEWS DIRECTORS:

STS-1 ASTRONAUTS TO RETURN TO SPACEPORT MAY 21

KENNEDY SPACE CENTER, Fla. - STS-1 prime crew astronauts John Young and Bob Crippen will return to the Kennedy Space Center on Thursday, May 21, to express their appreciation to the launch crew which sent them on their 54-hour mission in space.

The first Space Shuttle mission was launched on April 12 and the mission ended successfully with the landing of the orbiter Columbia at NASA's Dryden Flight Research Center, California, on April 14.

A brief ceremony will be held at the Barge Turn Basin near the Vehicle Assembly Building at Launch Complex 39 at 10 a.m. News media representatives who wish to cover the ceremony should be at the KSC News Center at the Complex 39 Press Site no later than 9:30 a.m.

Media representatives with permanent badges may drive directly to the Press Site. Those without permanent credentials should contact the News Center at Area Code 305-867-2468 to make the necessary arrangements for access.

Following the barge basin ceremony, the astronauts will proceed to Visitors Center accessible via State Road 3 from Merritt Island or the NASA Causeway off U. S. Route 1 two miles south of Titusville to participate in first day of issue ceremonies connected with the issuance of a space accomplishments postage stamp.

That ceremony will be held adjacent to the Saturn IB on the west side of the Visitors Center complex at noon. The ceremony is open to the public. Representatives of the KSC Public Information Office will be present at the Visitors Center ceremony to assist the media in coverage of that event.

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May 18, 1981

NASA News

1F.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

KSC RELEASE NO. 153-81
Roland Raab - 305-867-2468

For Release:
May 19, 1981

BOEING SERVICES INTERNATIONAL WINS CONTRACT SUPPLEMENTAL

KENNEDY SPACE CENTER, FL. -- Boeing Services International, Inc. has won a supplemental agreement to an existing contract with the space center. The agreement covers a modification to the contract to permit accelerated efforts in support of Space Shuttle launch preparations.

The value of the cost plus award fee agreement is \$5,075,000 and brings the total value of the Boeing contract at KSC to \$187,343,227.

The modification to the contract includes the requirement for a seven-day three-shift schedule in support of Space Shuttle processing efforts, and covers a period from October 1, 1980 through June 30, 1981.

Services performed by the company include the operation and maintenance of ground support equipment such as the crawler transporter, mobile launch platforms and pad structures, servicing of heating and air conditioning equipment, operation of various technical shops and responsibility for receipt, storage and transfer of rocket propellants and other activities crucial to Space Shuttle operations.

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NASA News

1F.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 158-81
Dick Young - Area Code 305-867-2468

Immediate

ATLANTIC TECHNICAL SERVICES AWARDED SPACEPORT CONTRACT EXTENSION

KENNEDY SPACE CENTER, Fla. - NASA's John F. Kennedy Space Center has awarded a one-year, \$1,121,274 contract extension to Atlantic Technical Services, 1203 Charles Street, Longwood, Fla.

The contract extension is for the second year of providing mail and distribution services in support of NASA and contractor elements at the Kennedy Space Center and covers the period from May 1, 1981, through April 30, 1982.

The new award brings the aggregate value of the parent contract to \$1,898,566. Atlantic Technical Services is classed as a small business firm.

The Kennedy Space Center is NASA's prime launch and recovery base for the reusable Space Shuttle which was successfully launched on its maiden voyage in April, 1981. The 54-hour mission was completely successful and the orbiter Columbia has been returned to the Kennedy Space Center from its California landing site for processing for the STS-2 mission. That mission has a target launch date of September 30.

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May 29, 1981

NASA News

1F.5 #18
K
NASA-1

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 157-81
Dick Young - Area Code 305-867-2468

Immediate

VOYAGER 2 SOARS TOWARD CLOSE ENCOUNTER WITH SATURN IN LATE AUGUST

KENNEDY SPACE CENTER, Fla. - Voyager 2, an indefatigable traveler launched by the Kennedy Space Center aboard a Titan Centaur on August 20, 1977, is headed for a close encounter with the ringed planet Saturn in late August.

The 1,800-pound (800-kilogram) spacecraft soared past Jupiter in July, 1979, and will swoop in to within 63,000 miles (101,000 kilometers) of Saturn's cloud tops at 11:25 p.m. EDT on August 25, just five days after the fourth anniversary of its launch.

Since its flight begin^a, the saucer-shaped spacecraft with its spindly appendages has flown more than 1.4 billion miles (2.2 billion kilometers). As of Sunday, June 7, the tireless traveler will be 46.5 million miles (74.9 million kilometers) from Saturn and 814.3 million miles (1.3 billion kilometers) from Earth. Its speed - relative to the Sun - is a sizzling 35,150 miles (56,240 kilometers) per hour.

A sister spacecraft - Voyager 1 - approached to within 78,000 miles (126,000 kilometers) of Saturn's cloud tops on November 12, 1980. During its encounter with the Solar System's second largest planet, Voyager 1 took more than 17,500 photographs of Saturn and its satellites and returned a torrent of data which completely reshaped scientists' understandings of the complex planetary system. The Voyager missions to the outer planets are under the control of the Jet Propulsion Laboratory in Pasadena, California.

Voyager 1 is now headed out of the Solar System for galactic space and is expected to reach the outer edge of the solar wind sometime around 1990.

After Voyager 2's Saturn encounter - the observatory phase of which is to begin June 5 - its course will be honed toward Uranus, seventh planet from the Sun. If all goes well, Voyager 2 could provide humanity's first close-up look at Uranus in 1986.

more

Both Jupiter and Saturn which were the prime objectives of the Voyager missions are visible in close proximity high in the evening sky.

The two giants of the Solar System may be seen in Florida at about 9 p.m. EDT just south of the zenith (directly overhead). Jupiter appears as the brightest "star" in that part of the sky and is slightly to the west of its more remote and less brilliant partner. Jupiter's four large Galilean moons and Saturn's rings are visible to viewers with even small power telescopes.

During its November encounter with Saturn, Voyager 1 vastly expanded scientists' knowledge of the ringed planet. Its cameras disclosed that the ring system was not composed of several large, well separated rings but of hundreds of small ringlets like the grooves of a phonograph record. It expanded the known number of moons from 10 to 16 and provided detailed photographs of all the planets major moons with the exception of Phoebe.

More than 18,500 photographs of Saturn and its moons will be taken by Voyager 2 during the June 5 - September 28 encounter period. So remote is the spacecraft that a signal moving at the speed of light will require about 86 minutes to make the trip to Earth.

The spacecraft will make close approaches to the following Saturnian moons. All times cited are Eastern Daylight Time.

* Iapetus - 9:30 p.m., August 22, 560,000 miles (900,000 kilometers). This is 970,000 miles (1,560,000 kilometers) closer than Voyager 1.

* Hyperion - 9:27 p.m., August 24, 300,000 miles (480,000 kilometers). This is 250,000 miles (410,000 kilometers) closer than Voyager 1.

* Titan - 5:38 a.m., August 25, 413,000 miles (665,000 kilometers). This is 410,500 miles (665,000 kilometers) further than it was seen by Voyager 1.

* Dione - 9:05 p.m., August 25, 312,000 miles (502,000 kilometers).

* Mimas - 10:34 p.m., August 25, 193,000 miles (310,000 kilometers).

* Enceladus - 11:45 p.m., August 25, 54,000 miles (87,000 kilometers). This is 71,000 miles (115,000 kilometers) closer than Voyager 1.

more

* Tethys - 2:12 a.m., August 26, 58,000 miles (93,000 kilometers). Voyager 2 will photograph Tethys 298,000 miles (480 kilometers) closer than Voyager 1's closest photos.

* Rhea - 2:29 a.m., August 26, 401,000 miles (645,000 kilometers).

* Phoebe - 9:30 p.m., September 4, 1,290,000 miles (2,080,000 kilometers). This is 7 million miles (11.5 million kilometers) closer than Voyager 1. Voyager 1 did not take pictures of Phoebe because the great distance at closest approach would not yield useful data.

Voyager 2 will take higher-resolution photographs of five moons and the planet's rings than did its predecessor, Voyager 1.

Each Voyager uses 10 instruments and the spacecraft radio to study the planets, their satellites, the rings of Saturn, the magnetospheres surrounding the planets, and interplanetary space.

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Note to Editors:

The Voyager news center at JPL will open Friday, August 21, four days before closest approach, and will remain open through August 28. Reporters planning to cover the encounter should contact the JPL Public Information Office for accreditation. The address is 4800 Oak Grove Drive, Pasadena, CA. 91103. The telephone number is Area Code -213-354-5011.

June 3, 1981

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:
Immediate

Dick Young
Area Code 305 867-2468

Release No. 160-81

PRESS SHOWING OF STS-2 FLIGHT ELEMENTS SCHEDULED FOR JUNE 18

KENNEDY SPACE CENTER, Fla.--A briefing and press showing of the OSTA-1 pallet and its experiments as well as they Payload Deployment and Retrieval System will be held at the Kennedy Space Center, Fla., on June 18.

Presentations on the OSTA-1 experiment package and PDRS will be held in the auditorium of the KSC News Facility at the Complex 39 Press Site beginning at 11 a.m.. The briefings will be followed by a press viewing of the two STS-2 flight elements in the High Bay of the Operations and Checkout Building in the KSC Industrial Area. Project officials and experimenters will be available for discussions and interviews.

Movement of the OSTA-1 pallet and its experiments to the Orbiter Processing Facility for insertion in the payload bay of the Space Shuttle Orbiter Columbia is scheduled for June 29. Transfer of the PDRS to the OPF for installation on Columbia is scheduled for June 19. This will be the final opportunity for the press to view these STS-2 flight elements prior to the mission which is tentatively scheduled for launch on a five-day flight on September 30.

Also in the O & C High Bay at this time is the Spacelab Engineering Model. Officials and technical personnel involved in Spacelab will be on hand in the O & C for interviews or discussions.

Media representatives with permanent press credentials may proceed directly to the Complex 39 Press Site. Those without permanent credentials should contact the KSC Public Information Office at Area Code 305 867-2468 to make the necessary arrangements for access to KSC.

A television and audio feed on the Press Site briefings will be carried to NASA Headquarters, the Johnson Space Center in Houston, Texas, and the Marshall Space Flight Center in Huntsville, Alabama, via the NASA Communications Network.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center Florida 32899
AC 305 867-2468

Mark Hess
Area Code 305 867-2468

For Release:
Immediate

Release No. 161-81

MAY ATTENDANCE SETS NEW RECORD AT KSC VISITORS CENTER

KENNEDY SPACE CENTER, Fla.--Attendance to the Visitors Center at NASA's Kennedy Space Center continued at a record-setting pace through May, making the first five months of 1981 the busiest in the history of the attraction.

More than 143,700 people came to the Visitors Center in May breaking all previous attendance marks recorded for that month since the attraction opened in 1966. Of that total, nearly 115,000 also took the guided bus tour of KSC facilities used to assemble, checkout and launch the Space Shuttle. The total for May was 38 percent higher than for the same month in 1980.

New attendance marks have been set for each of the first five months of 1981. For the year, attendance is running just over 26 percent higher than for the same period in 1980. Visitor Center officials are optimistic that if the trend continues, the VIC will record its first 2 million visitor year.

Up to now, the VIC's banner year was 1972, the same year NASA launched its final two Apollo lunar landing missions, when nearly 1.4 million people were attracted to the Visitors Center.

The current surge in visitor attendance is being attributed to a renewed public interest in space, largely due to the success of the first Space Shuttle flight, launched from KSC in April.

The Visitors Center, which will celebrate its 15th birthday in July, has attracted more than 20 million visitors since it was opened. Available free at the Visitors Center are space movies, static and dynamic displays, colorful exhibits and informative space science lectures and demonstrations.

A Hall of History at the VIC has also been recently

remodeled and provides visitors with a self-guided tour past imaginatively displayed exhibits which cover the entire realm of space flight. Improvements to the Hall of History are the first step of a 10-year concession agreement between NASA and TWA Services Inc., concessionaire for the Visitors Center. TWA plans to make improvements to the VIC over the next decade which could cost as much as \$8.5 million and would include a 450-seat large screen theater, a multi-media theater seating up to 500, an added exhibit area and additional food, souvenir and support facilities.

A new addition has also been added to the VIC's large collection of full-scale rockets - a Saturn 1B, used during NASA's Apollo and Skylab programs.

Nominally-priced guided bus tours run throughout the day and take visitors by facilities used to train Apollo astronauts for their missions to the Moon and the massive Launch Complex where Space Shuttle's are prepared for flight, including the Space Shuttle launch pads.

An optional tour was reinstated this month. It includes a close-up glimpse of operational launch pads on Cape Canaveral Air Force Station where KSC currently launches Delta and Atlas Centaur rockets. Delta and Atlas Centaur vehicles will be an important part of our nation's capability to put various types of payloads - such as commercial communications satellites and sophisticated weather observatories - into orbit well into the mid 1980's. The tour also takes in historical sites where Mercury, Gemini and Apollo astronauts were hurled into space signaling our nation's first steps in the unexplored regions of space.

The KSC Visitors Center and the guided bus tours operated from there are in operation every day of the year except Christmas. The VIC is accessible via the NASA Causeway off U.S. Route 1, two miles south of Titusville, and also via State Road 3 on Merritt Island.

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June 10, 1981

NASA News

IF.5 #18 NWSF-E

K

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 164-81
Roland Raab - AC 305-867-2468

Immediate
June 10, 1981

NOTICE TO EDITORS

KSC CODAPHONE REVERTS TO ORIGINAL NUMBER

KENNEDY SPACE CENTER, Fla. -- The telephone number for the KSC Public Affairs Office recorded news line (Codaphone) has been changed back to its original extension.

The current number for the Codaphone service is 867-2525.

The service allows news reporters to obtain frequently updated, current information on news activities at KSC and within NASA. After duty hours, the recorded information includes the home telephone number of at least one Public Affairs contact who is available for queries.

NASA News

1F.5 #18 ^{NWSE-E}



National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Mark Hess
305 867-2468

Immediate

KSC RELEASE NO. 165-81

EIGHT LAUNCHES OF EXPENDABLE VEHICLES REMAIN SCHEDULED IN 1981

KENNEDY SPACE CENTER, Fla.--Eight more launches of expendable rockets from NASA facilities on the East and West coast are scheduled in 1981. As many as five more rockets may be launched by NASA's Kennedy Space Center in 1981 from facilities on Cape Canaveral Air Force Station, and three launches are planned from KSC facilities at Vandenberg Air Force Base, California.

Launches planned from Cape Canaveral are divided between the workhorse Delta rocket and NASA's most powerful expendable vehicle - the Atlas Centaur. Vehicles launched from Vandenberg will include two Delta rockets and an Atlas-F, launched by the Air Force with NASA performing a monitor-only role.

NASA has successfully launched three rockets this year. The first launch of 1981 occurred on February 21 - that of an Atlas Centaur rocket carrying a COMSTAR commercial communications satellite.

Back-to-back launches followed in May. On May 22, the GOES -E weather satellite was successfully hurled into geosynchronous orbit aboard a Delta rocket. Little more than 24 hours later, Atlas Centaur 56 rocketed away from its launch pad, putting an INTELSAT V communications satellite into orbit some 22,240 miles above the equator over the Atlantic Ocean.

All of the remaining launches scheduled from Cape Canaveral are reimbursable missions - which means the customer reimburses NASA for the cost of the rocket and all related launch services.

Launches planned aboard Atlas Centaur rockets include a FLTSATCOM-E, military communications satellites, and an INTELSAT V commercial communications satellites.

Planned for launch aboard Delta rockets are two RCA commercial communications satellites - RCA D and RCA Prime - and the second in a series of Satellite Business Systems satellites - SBS-B - used for business communications needs.

Each of the five remaining spacecraft to be launched from

Cape Canaveral are intended for geosynchronous orbit 22,240 miles above the Earth's equator.

Launches planned from NASA's West Coast facility include a polar-orbiting weather satellite - NOAA-C - aboard an Atlas F rocket, and two NASA scientific spacecraft, the Dynamic Explorer and the Solar Mesospheric Explorer. Both of the NASA scientific payloads will be launched on Delta rockets.

Launch dates listed below are tentative. Final determination of the exact launch date will be made closer to launch.

<u>MISSION</u>	<u>VEHICLE</u>	<u>SITE</u>	<u>PREDICTED LAUNCH DATE</u>
NOAA-C	ATLAS-F	WTR	JUNE 22
DE	DELTA 157	WTR	JULY 31
FLTSATCOM-E	AC-59	36-A	AUG 6
SBS-B	DELTA 155	17-A	AUG 20**
INTELSAT V F-3	AC-55	36-B	SEPT 24
SME	DELTA 158	WTR	SEPT 15
RCA-D	DELTA 156	17-A	OCT 15**
RCA-Prime	DELTA 159	17-A	DEC 3**

**These launch dates depend upon resolution of problem with Payload Assist Module

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June 12, 1981

NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

Roland Raab
AC 305-867-2468

For Release:
Immediate
June 22, 1981

Release No: 167-81

TITUSVILLE FIRM WINS SPACE CENTER CONTRACT

KENNEDY SPACE CENTER, Fla. -- New World Construction Company, of Titusville, Fla. has won a contract with the space center to build a repair shop for Space Shuttle main engines.

The \$178,885 fixed price contract is the result of a total small business labor surplus area set aside. The period of the contract is for 100 days after receipt of notice to proceed.

Under the agreement, the company will provide the labor, equipment and materials to construct a repair shop for Space Shuttle main engines within the huge Vehicle Assembly Building at the space center.

The liquid fuel engines provide flight propulsion for the Space Shuttle, a revolutionary new transportation system designed to provide routine and economical access to and from space for a variety of users. Each Space Shuttle orbiter uses three of the reusable engines, which are checked out and refurbished as necessary between space missions.

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NASA News

1F.5 #18

K

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Immediate

Steve Newborn
305-867-2468

KSC NEWS RELEASE 172-81

SYMETRICS INDUSTRIES WINS SPACEPORT COMMUNICATIONS CONTRACT

KENNEDY SPACE CENTER, Fla. -- Symetrics Industries, Inc., of 557 N. Harbor City Blvd., Melbourne, has been awarded a contract to supply NASA'S Kennedy Space Center with 20 multicircuit Operational Intercommunications Systems (OIS).

The value of the fixed-price contract is \$64,251, and covers the period from when the contract was awarded on June 22, 1981, until March 20, 1982. The contract is one set aside for award to a small business firm.

The communications systems will be used in the control rooms of the Complex 39 Launch Control Center and will be used primarily to provide a means for test directors, engineers and technicians to communicate during Space Shuttle tests and launches. Each control unit will permit their operators to monitor up to eight channels simultaneously.

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June 26, 1981

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

June 29, 1981

Roland Raab
(305) 867-2468

KSC RELEASE NO. 171-81

LAKELAND FIRM WINS SPACE CENTER CONTRACT

KENNEDY SPACE CENTER, Fla. -- Specialty Maintenance and Construction, Inc. of Lakeland, Fla. has won a contract with the space center to update lighting and air conditioning systems in a vital technical building here.

The fixed price contract with the firm is for a total of \$1,097,624, and is the result of a set-aside for small business firms. Under the contract the firm will update and upgrade the heating, ventilating and air conditioning system and the lighting systems of the Central Instrumentation Facility (Building M6-342). The building houses the central computer complex as well as a number of technical laboratories at the center, and has a vital role in both manned and unmanned space missions. The term of the contract is for 360 days after date of contract award.

Kennedy Space Center is the primary launch and landing site for the revolutionary Space Shuttle, which was recently launched on the first of four development flights before beginning operational missions to and from space on a regular basis.

NASA News

1F.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 173-81

Immediate

Dick Young
Area Code 305-867-2468

SPACEPORT TO EXTEND SECURITY AREA EFFECTIVE JULY 3

KENNEDY SPACE CENTER, Fla. - Effective Friday, July 3, at 7 p.m., the security areas of the Kennedy Space Center are being expanded to include a large portion of the center's northern region during hours of darkness.

According to George Morford, acting chief of security and fire, security gates will be put in place each evening at 7 p.m. on the eastern end of the Titusville Causeway (Florida Route 406) and just south of the Haulover Canal on Florida Route 3. Access will be limited to badged personnel. Existing Gate 4 near the intersection of the Kennedy Parkway with Florida Route 406 will remain in operation.

The new rules will not affect public access to Playalinda Beach on the Canaveral National Seashore north of KSC's Launch Complex 39 as the daily closures do not take place until the popular beach is in the process of being closed for the day.

There will also be no impact on those holding U. S. Fish and Wildlife Service permits to put their boats into the waters of Mosquito Lagoon or those with invitations to attend the sea turtle viewing sessions during their nesting season. These permits will be honored.

According to Morford, the new rules are being put into effect to meet the need for increased security during the hours of darkness.

As is now the practice, Gate 2 on Florida Route 3 on Merritt Island at the south end of the center and Gate 3 on the NASA Causeway two miles south of Titusville will remain open to the public until the final bus tours operated from the Visitors Center have been completed for the day. Then they, too, will be closed except for access by badged personnel.

The new security gates will be opened to the public each morning at 5:30 a.m.

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July 3, 1981

~~Frank Jarrett~~
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~~SI-SRV-1~~

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NASA News

1F.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Immediate

Steve Newborn
Area Code 305-827-2468

KSC NEWS RELEASE NO. 174-81

CAPE CANAVERAL FIRM AWARDED SPACEPORT CONTRACT

KENNEDY SPACE CENTER, Fla. -- NASA's John F. Kennedy Space Center has awarded the firm of Frank A. Kennedy, of Cape Canaveral, Fla., a contract to provide the Spaceport with a Vapor Detection Calibration Capability in a high-pressure gas cleaning area.

The fixed-price contract carries a value of \$88,754, and is to be completed 150 calendar days after the contract was awarded on June 30, 1981. The contract is one set aside for award to a small business firm.

The contract calls for modification of a high-pressure gas cleaning area located at Launch Complex 39, from where the Space Shuttle Columbia is scheduled to liftoff in September.

The Kennedy Space Center is NASA's prime launch and recovery site for the reusable Space Shuttle which successfully completed its maiden flight in April, 1981. The Columbia is now being readied for its second flight, which is tentatively scheduled for launch on September 30, 1981.

July 6, 1981

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NASA News

1F.5 #18

K

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Steve Newborn
Area Code 305-867-2468

Immediate

KSC RELEASE NO. 176-81

MARTIN MARIETTA AWARDED SPACEPORT SUPPLEMENTAL CONTRACT

KENNEDY SPACE CENTER, Fla. - The Denver (Colorado) Aerospace Division of Martin Marietta Aerospace, Inc. has been awarded a supplemental agreement to an existing contract with NASA's Kennedy Space Center. The award provides for communications security devices to be incorporated into the Space Shuttle checkout and launch support facilities at the space center.

The value of the cost plus fee agreement is \$5,360,676, and brings the total value of the Martin Marietta contract at KSC to \$101,781,432. The overall contract covers the period from February 4, 1980, through January 1, 1982.

The contract supplement calls for the installation of encoding and decoding devices in the Checkout, Control, and Monitor Subsystem of the Launch Processing System used to checkout and launch the Space Shuttle. The new equipment, designed to enhance security for sensitive communications, will be installed in the Launch Processing System in Launch Control Center firing rooms.

Kennedy Space Center is NASA's primary launch and recovery site for the reusable Space Shuttle, which successfully completed its first orbital flight test in April. The Shuttle Columbia is now being readied for its second mission which is tentatively scheduled for launch on September 30.

July 8, 1981

NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
Area Code 305-867-2468

Immediate

NOTICE TO EDITORS/NEWS DIRECTORS

KSC NEWS RELEASE NO. 178-81

ENGINEERS TO PRESENT PLAQUE RECOGNIZING LAUNCH PAD CONSTRUCTION

KENNEDY SPACE CENTER, Fla. - An award ceremony recognizing the construction of the Apollo/Space Shuttle launch pads at Complex 39 as an outstanding civil engineering achievement will be held here during the morning of Tuesday, July 14.

The presentation will be made on behalf of District 10 of the American Society of Civil Engineers at a camera pad at Complex 39's Pad A, launch site of all but one of the Apollo lunar exploration missions and the first of the two Complex 39 pads to see service during the Space Shuttle era. ASCE District 10 is comprised of Florida, Georgia and South Carolina.

The presentation will be made by Robert Whiteside, a member of the Columbia, South Carolina, engineering firm of Wilbur Smith and Associates and District 10 director.

The award will be accepted on behalf of the Kennedy Space Center by a representative of KSC management.

Connected with the ceremony is a tour of the Spaceport's facilities by several score civil engineers from throughout District 10.

Presentation of the plaque, which will be on permanent display in the lobby of the Complex 39 Launch Control Center, will take place on a camera pad on the south side of Pad A at 9:15 a.m.

News media representatives who wish to cover the award ceremony should be at the News Center at the Complex 39 Press Site no later than 8:30 a.m. on Tuesday, July 14. Permanently badged media may drive directly to the Press Site. Those without permanent credentials should contact the KSC News Center at Area Code 305-867-2468 and make arrangements for access.

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July 9, 1981

NASA News

IF.5 #18

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center Florida 32899
AC 305 867-2468

Roland Raab
AC 305-867-2468

For Release :-

July 10, 1981

Release No. 175-81

JUNE ATTENDANCE CONTINUES TO SET RECORDS AT KSC VISITORS CENTER

KENNEDY SPACE CENTER, Fla. -- Renewed public interest in the space program after the successful first launch of the Space Shuttle continued to be a factor in a string of attendance records at the Visitors Center of NASA's Kennedy Space Center.

More than 180,500 people came to the attraction in June, bringing the total visitor attendance for the year to more than 1,066,600. So far, 1981 stacks up as the busiest in history, beating out the previous banner year, 1972, by a comfortable margin. If the trend continues, 1981 may well be the first to break the two million visitor mark.

Of the June attendance total, about 144,400 people took the guided bus tour of KSC facilities used to assemble, check out and launch the Space Shuttle. This represents about a 25 percent increase over the same month last year. The year itself is likewise about 26 percent ahead of 1980.

The most recent improvements to the Visitors Center include the addition of a huge Saturn IB rocket and the renovation of the 10,000 square foot Hall of History. The rocket was the type used for earth orbital missions with the Apollo spacecraft. The one on display had earlier been on loan for the Japanese Space Science Exposition in Tokyo.

The Hall of History covers the complete realm of space flight, providing visitors with self-paced tours past Mercury, Gemini, Apollo and Skylab exhibits as well as through a tunnel which "hurls" them into the solar system for a glimpse of the spacecraft which NASA has launched to explore it. Featured is a lifelike scale Marscape complete with a detailed Viking lander.

Other improvements over the next several years are planned to include a large screen theater, a multi-media theater, added exhibits and more food, souvenir and support facilities.

-more-

The Visitors Center will celebrate its 15th anniversary this month, and has attracted more than 20 million visitors in that time span, making it the fourth most popular tourist attraction in Florida. Besides the nominally priced bus tours, free attractions at the Visitors Center include space movies, static and dynamic displays, colorful exhibits and models as well as science lectures and demonstrations. It is open every day except Christmas and certain launch days, and is accessible from US Route 1 south of Titusville or via State Road 3 on Merritt Island.

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NASA News

NWS I-E

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305-867-2468

July 15, 1981

KSC RELEASE NO. 180-81
NOTICE TO EDITORS/NEWS DIRECTORS

SECOND SHUTTLE MISSION NEWS CONFERENCE SCHEDULED JULY 21

KENNEDY SPACE CENTER, Fla. - The second in a series of monthly news conferences on the status of preparations for the STS-2 mission will be held in the Audio Visual Center auditorium at the Launch Complex 39 Press Site at 11 a.m. EDT on Tuesday, July 21.

Present to discuss processing progress to date, current status and STS-2 schedules as well as respond to questions from the press will be Dr. Robert Gray, manager of KSC's Shuttle Projects Office. Launch of the STS-2 mission from KSC is scheduled for no earlier than September 30.

News media representatives with permanent credentials may proceed directly to the Complex 39 Press Site. Those without permanent credentials should call the KSC News Center at Area Code 305-867-2468 and make the necessary arrangements for access.

Media representatives unable to attend the conference in person may monitor it by calling the KSC Operator at Area Code 305-867-7110 and asking to be connected to the V-2 Circuit.

The conference will be piped into NASA Headquarters in Washington, D.C., the Marshall Space Flight Center in Huntsville, Ala., and the Johnson Space Center in Houston, Texas, via two-way audio circuit.

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NASA News

IF.5 #18 NWSI-E

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National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305-867-2468

Immediate

KSC NEWS RELEASE NO. 181-81

SPACEPORT EXTENDS PAN AMERICAN HEALTH SERVICES CONTRACT

KENNEDY SPACE CENTER, Fla. - The Aerospace Services Division of Pan American World Airways, Inc., Cocoa Beach, Fla., has been awarded a one-year extension of its contract to supply medical services at NASA's John F. Kennedy Space Center and Cape Canaveral Air Force Station.

The \$3,573,338 award covers the period July 1, 1981, through June 30, 1982, and brings the cumulative value of the contract since July 1, 1977, to \$12,372,535. The new award marks the fifth year of service under a contract with a one-year basic term plus four one-year options.

Under the contract, Pan American will provide occupational medicine and environmental health services to civil service, military and contractor personnel.

Services are provided by physicians, medical technicians and nurses in facilities at KSC and Cape Canaveral Air Force Station.

KSC is the prime launch and recovery site for the reusable Space Shuttle, which was launched on its first mission in space on April 12 of this year. The Columbia landed at Edwards Air Force Base, California, on April 14 after its highly successful maiden voyage and was ferried back to KSC later that month to begin processing for its next flight.

Launch of the Space Shuttle on its second mission in Earth orbit is now scheduled for no earlier than September 30.

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July 16, 1981

NASA News

1F.5 #18 NWSF-E

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305-867-2468

July 17, 1981

KSC RELEASE NO. 183-81
NOTICE TO EDITORS/NEWS DIRECTORS

SPACE SHUTTLE STATUS NEWS CONFERENCE RESCHEDULED FOR JULY 28

KENNEDY SPACE CENTER, Fla. - The second in a series of monthly news conferences on the status of preparations for the STS-2 mission has been rescheduled from 11 a.m., Tuesday, July 21, to 11 a.m., Tuesday, July 28.

The news conference will be held in the auditorium of the Audio Visual Center at the Launch Complex 39 Press Site. Present to discuss processing progress to date, current status and STS-2 schedules - including the transfer of the Space Shuttle Orbiter Columbia from the Orbiter Processing Facility to the Vehicle Assembly Building - will be Dr. Robert Gray, manager of KSC's Shuttle Projects Office.

Launch of the STS-2 mission from KSC is scheduled for no earlier than September 30.

Media representatives with permanent credentials may proceed directly to the Complex 39 Press Site. Those without permanent credentials should call the KSC News Center at Area Code 305-867-2468 and make the necessary arrangements for access.

Media representatives unable to attend the conference in person may monitor it by calling the KSC Operator at Area Code 305-867-7110 and asking to be connected with the V-2 Circuit.

The conference will be piped into NASA Headquarters in Washington, D. C., the Marshall Space Flight Center in Huntsville, Ala., and the Johnson Space Center in Houston, Texas, via two-way audio circuit.

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NASA News

IF.5 #18 NWSI-1

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:
Immediate

Steve Newborn
305-867-2468

KSC RELEASE NO. 185-81

INVENTOR AT SPACEPORT RECEIVES \$10,000 SPACE ACT AWARD

KENNEDY SPACE CENTER, Fla. - Frank Byrne, Deputy Director of Information Systems at NASA's Kennedy Space Center, has received a \$10,000 Space Act Award from the NASA Board of Inventions for devising a computer launch system improvement. The award was presented to Byrne at a special ceremony at KSC on July 20 by Center Director Richard G. Smith.

Byrne received the award for his patented invention entitled "Common Data Buffer System." The common data buffer forms an important part of the Launch Processing System (LPS), which is used to checkout and launch NASA's Space Shuttle at KSC. The system's basic function is to allow the individual computers of the LPS to communicate with each other. It launched the first Space Shuttle, and replaced the relatively antiquated Apollo launch system previously used. The U.S. Patent and Trademark Office issued U.S. Patent No. 4,254,464 covering the invention on March 3, 1981.

Byrne, who lives in Cocoa Beach, Fla., invented the system while working in KSC's Directorate of Electronic Engineering.

Awards for inventions such as Byrne's are granted by NASA's administrator upon the recommendations of the agency's Inventions and Contributions Board (ICB). The ICB meets each month to examine contributions made by NASA employees or contractor employees which are considered to be of significant value in aeronautical or space activities, or have possible commercial applications. Cash awards, which range from \$150 to thousands of dollars, are presented to inventors to stimulate greater creativity in advancing the field of space technology.

July 27, 1981

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NASA News

1F.5 #18

K

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center Florida 32899
AC 305 867-2468

For Release:
Immediate

Steve Newborn
305-867-2468

KSC RELEASE NO. 187-81

ROCKLEDGE FIRM AWARDED SPACEPORT CONTRACT

KENNEDY SPACE CENTER, Fla. - NASA's Kennedy Space Center has awarded Butler Construction Co. of Rockledge, Fla., a contract to construct security modifications to a room in KSC's Launch Control Center (LCC).

The value of the fixed-price contract is \$235,000, and is to be completed 90 days after receipt of a notice to proceed. The contract was awarded on July 23, and is one set aside for award to a small business firm.

Butler Construction is to supply labor, equipment and materials to construct modifications to Room 4R10 of the LCC. The modifications consist of constructing visual barriers, personnel access barriers, and installing sound suppression systems and personnel access control systems. The LCC is used for the checkout and launch of NASA's Space Shuttle. The Space Shuttle Columbia is scheduled for launch on its second mission no earlier than September 30.

July 28, 1981

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NASA News

IF.5 #18

K

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Immediate

Steve Newborn
305-867-2468

KSC RELEASE NO. 188-81

MERRITT ISLAND FIRM AWARDED SPACEPORT SUPPLEMENTAL CONTRACT

KENNEDY SPACE CENTER, Fla. - NASA's Kennedy Space Center has awarded a supplemental contract to Reynolds, Smith and Hills Architects, Engineers, Planners, Inc. of 2460 N. Courtenay Parkway, Merritt Island, Fla. The contract is for a study of KSC's launching facilities to be conducted to see if modifications are needed for use of the Centaur upper stage as part of the Space Shuttle system.

The value of the fixed-price contract is \$834,872, and brings the total amount of the Reynolds, Smith and Hills contract at KSC to \$863,868. The new contract covers the period of 73 days from award. The contract was awarded on July 22. The study is to be conducted at Reynolds' Merritt Island, Fla., facilities.

The contract supplement calls for Reynolds to perform a study of possible modifications to NASA's Space Shuttle launch facilities to accommodate a Centaur and payload in a shuttle orbiter payload bay. These facilities include Mobile Launcher Platform 2 and the Rotating Service Structure and Fixed Service Structure at the Complex 39 launch Pads. Complex 39 is the launch site for the Space Shuttle, which is scheduled for its next launch no earlier than September 30. The Orbiter Columbia is now being readied for its second orbital flight.

July 29, 1981

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NASA News

IF.5 #18

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National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 189-81

July 30, 1981

Roland Raab
305-867-2468

STS-2 CREW TO HOLD PRESS CONFERENCE

KENNEDY SPACE CENTER, Fla. -- Astronauts Joe Engle and Richard Truly, prime crew members for the second Space Shuttle mission, will hold an initial press conference on Monday, August 3, 1981. The conference will be held at 10 a.m. Eastern time at the Johnson Space Center in Houston.

The conference will be carried by video and two-way audio circuit at the Kennedy Space Center Complex 39 Press Site. Reporters who wish to attend the conference should call 867-2468 for information or to make badging arrangements. The conference will also be carried via the KSC V-2 circuit for those who choose to monitor only. Access to the V-2 circuit may be obtained by calling 867-7110 just prior to the conference start time and asking for the V-2 patch.

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NASA News

1F.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release

Immediate

Mark Hess
Area Code 305 867-2468

KSC Release No. 191-81

NOTICE TO EDITORS/NEWS DIRECTORS

TRANSFER OF COLUMBIA TO VEHICLE ASSEMBLY SCHEDULED FOR AUGUST 9

KENNEDY SPACE CENTER, Fla.--The move of the orbiter Columbia to the Vehicle Assembly Building for stacking with the external tank and twin solid rocket boosters is scheduled for August 9.

The transfer had originally been set for August 4, and the accompanying news release explains the reasons for the 5-day delay.

Currently, the plan is to have the orbiter ready to move by midnight Saturday, August 8 and start the tow shortly after midnight on Sunday, August 9.

Press coverage of the event will be staged from the Press Site at Complex 39. Press accreditations to cover the transfer can be picked up at the Gate 2 Pass and Identification Building beginning Saturday at about 10 p.m. or T-2 hours before the move starts.

Properly badged news media representatives may drive unescorted to Press Site 39 via Gate 2 on State Road 3, Merritt Island, and Gate 3, on the NASA Causeway off U.S. Route 1, two miles south of Titusville, beginning on Saturday, August 8.

There is a possibility that this schedule could change and media are encouraged to contact the KSC News Center to confirm that it remains valid. The telephone number is Area Code 305 867-2468. Office hours Monday through Friday are 8 a.m. to 4:30 p.m. As the rollout gets closer, information on its status will also be available by calling the automatic information telephone at Area Code 305 867-2525.

August 3, 1981

Changes to Columbia Transfer Press Kit

Some changes in Columbia's processing chronology should also be noted which are in error in the Transfer of Columbia Press Kit. These changes were made in the schedule since the press kit was printed.

The Orbiter Integrated Test started on July 27 rather than the 24. That delay is also explained in the enclosed news release. Backup astronauts Ken Mattingly and Henry Hartsfield did not participate in the test.

The planned processing flow changed considerably following the OIT from what was described in the Press Kit. Immediately after the conclusion of the OIT and while the orbiter was still powered up, stray voltage checks were made to make sure there were no spurious signals which could accidentally set off explosive charges in the vehicle. This is done in preparation for putting the pyrotechnic devices in the orbiter. A thruster in the right hand OMS pod was replaced after the stray voltage checks were finished.

The Frequency Response Test to check the movement of the orbiter's flight control surfaces started August 1. The flight surfaces guide the orbiter during its glide back into the Earth's atmosphere.

Other activities which were scheduled between August 1 and the rollout included: installation of explosive charges in the orbiter; functional tests of the OMS and RCS systems and the electricity producing fuel cells; loading of film and removal of lens covers on the OSTA-1 experiments and closeout of the OSTA-1 pallet for flight; closing of the payload bay doors for flight; closeout of the orbiter for the move to the VAB; lowering of the landing gear; weighing and balancing of the the orbiter; jacking it down onto its landing gear and finally preparing it for the tow.

Waterproofing of the orbiter's tiles is scheduled to be done in the OPF, rather than the VAB as explained in the press kit. The orbiter will not spend two days on the VAB transfer aisle floor being waterproofed. Rather, the hoist and mate operation will begin as soon as the vehicle arrives in the VAB.

Finally, the scheduled date for start of the Shuttle Interface Test has also been revised to August 14, or as soon as the orbiter has been completely mated to the external tank.

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August 3, 1981

NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:
Immediate

Steve Newborn
Area Code 305 867-2468

KSC RELEASE NO. 193-81

BOEING SERVICES, INC. AWARDED SPACEPORT SUPPLEMENTAL CONTRACT

KENNEDY SPACE CENTER, Fla. - Boeing Services International, Inc., Kennedy Space Center, Fla., has been awarded a supplemental agreement to an existing contract with NASA's John F. Kennedy Space Center. The award provides for Boeing to handle supply and transportation services at the Space Center and adjacent Cape Canaveral Air Force Station.

The value of the cost-plus-award-fee agreement is \$13,545,786, and brings the aggregate contract value to \$41,435,032. The one-year supplemental contract covers the period from July 1, 1981 through June 30, 1982.

The contract supplement calls for Boeing to continue supply and transportation functions at both the Kennedy Space Center and Cape Canaveral Air Force Station. The supply functions include operations at the Central Receiving Facility and various supply warehouses located throughout the two installations. These supply facilities provide technical and administrative materials that are required for everyday operations, and replenish materials that have been requisitioned. Transportation functions include handling outgoing shipments for NASA and contractor organizations from KSC and Cape Canaveral Air Force Station.

The new award represents the fourth year of service under a contract for one year plus four one-year options.

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August 7, 1981

NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 194-81
Charles T. Hollinshead 305-867-2201
Hugh W. Harris 305-867-2468

IMMEDIATE

KSC DEPUTY DIRECTOR ACCEPTS NEW POSITION

KENNEDY SPACE CENTER, Fla. -- Kennedy Space Center Deputy Director Gerald D. Griffin announced his resignation from NASA today, to be effective August 22. He has accepted a position with Scott Science and Technology, Inc. (SST), of Lancaster, California.

Griffin will serve as Vice-President for Operations with SST. SST is an international corporation dealing primarily in research and development of high technology products and systems. The corporation has offices in Albuquerque, Colorado Springs, Houston, Los Angeles, and London, as well as corporate headquarters in Lancaster where Griffin will be located.

Griffin recently returned to his full-time position as KSC Deputy Director. Since July 1980, he had been serving in the dual role of Acting Associate Administrator for External Relations at NASA Headquarters and Deputy Director of the Kennedy Space Center. He was named to the Kennedy post in May 1977 after serving for one year as the Deputy Director of the Dryden Flight Research Center.

Griffin was named NASA Assistant Administrator for Legislative Affairs in 1973 and later was appointed Deputy Associate Administrator (Operations) in the Office of Space Flight, serving in that position until 1976.

Before joining NASA Headquarters, Griffin worked at NASA's Johnson Space Center where he was a Flight Director for all eleven manned Apollo missions. He was lead Flight Director for Apollos 12, 15, and 17. Previously, he was a flight controller in Mission Control for Gemini missions. He joined the Johnson Space Center (then Manned Spacecraft Center) in 1964 and was named Flight Director in 1968.

August 7, 1981

NASA News

IF. 5 #18

JK

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

Steve Newborn
Area Code 305 867-2468

For Release:
Immediate

KSC RELEASE NO. 196-81

SPACE CENTER SUPPLEMENTAL CONTRACT AWARDED TO BOEING SERVICES, INC

KENNEDY SPACE CENTER, Fla. - Boeing Services International, Inc., Kennedy Space Center, Fla., has been awarded a supplemental agreement to an existing contract with NASA's John F. Kennedy Space Center. The award provides for Boeing to perform Ground Support Operations services for a fifth contract year at the Space Center.

The value of the cost-plus-award-fee agreement is \$63,381,627, and brings the aggregate contract value to \$257,242,135. The one-year supplemental contract covers the period from July 1, 1981 through June 30, 1982.

Ground Support Operations that Boeing handles at KSC include operation and maintainance of the huge Crawler Transporters used to transfer the Space Shuttle to the launch pads. Other functions include handling toxic wastes, operation of heavy equipment such as the cranes used in the Vehicle Assembly Building and the Orbiter Processing Facility, minor repairs to KSC buildings and facilities, and general office moving functions.

The new award represents the fifth year of service under a contract for one year plus four one-year options.

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August 13, 1981

NASA News

1F.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 212-81
Dick Young - 305-867-2468

Immediate

PLAYALINDA BEACH TO BE CLOSED FOR STS-2 ROLLOUT

KENNEDY SPACE CENTER, Fla. - Playalinda Beach, located on the Kennedy Space Center north of Launch Complex 39, will be closed to the public on the day the Space Shuttle for the STS-2 mission is moved from the Vehicle Assembly Building to its launch pad.

Rollout of the Space Shuttle from the VAB for the three and a half mile journey to Complex 39's Pad A is now scheduled for Monday, August 31.

Playalinda, a part of the Canaveral National Seashore, will be closed to the public throughout the day on the date of rollout and be reopened for public use at 6:30 a.m. on the following day.

Florida Routes 402 and 406 will be open as usual for public access to the Merritt Island National Wildlife Refuge and Florida Route 3 leading to the north or - in the case of badged personnel - into the center.

A road block will be in place at the State Road 3/beach road intersection and only badged personnel requiring access to Pad B will be permitted through the gate toward the beach.

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August 25, 1981

NASA News

IF.5 #18

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National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

Ann Skinner
Area Code 305-867-2468

For Release:

Immediate

KSC RELEASE NO. 210-81
NOTICE TO NEWS EDITORS/NEWS DIRECTORS

SBS NEWS CONFERENCE SCHEDULED SEPTEMBER 2

KENNEDY SPACE CENTER, FLA. -- A prelaunch news conference for the SBS-B mission scheduled for launch September 3 will be held in the Conference Room of the E & O Building, Cape Canaveral Air Force Station, at 11 a.m. EDT, Wednesday, September 2.

Launch of SBS-B, the second of three satellites in an advanced communication system being established by Satellite Business Systems of McLean, Va., will be conducted from Complex 17 on Cape Canaveral Air Force Station by KSC's Expendable Vehicles Directorate on September 3. There are three launch windows: 7:16 to 7:25 p.m. EDT, 7:55 to 8:08 p.m. EDT and 8:39 to 9:46 p.m. EDT. The launch will be aboard a Delta rocket.

News representatives with permanent badges may attend the news conference by driving directly to the E & O Building via Gate 1, Cape Canaveral Air Force Station, or the NASA Causeway, which is accessible via Florida Route 3 or U.S. Route 1 two miles south of Titusville. Those without permanent badges should call the news center to make the necessary arrangements.

On launch day, media representatives with permanent badges may drive directly to Press Site 1 on Cape Canaveral Air Force Station beginning at 6 p.m. Others will be badged at the Gate 1 Pass and Identification Building, accessible via Florida Route 401 between 5:45 and 6:30 p.m.

Those unable to cover the launch in person may monitor mission operations by dialing the KSC Operator at Area Code 305-867-7110 and asking to be connected to the V-2 Circuit.

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August 26, 1981

NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 215-81
Dick Young - 305-867-2468

August 26, 1981

NOTICE TO EDITORS/NEWS DIRECTORS:

SPACE SHUTTLE ROLLOUT TO LAUNCH PAD SCHEDULED FOR AUGUST 31

KENNEDY SPACE CENTER, Fla. - The rollout of the Space Shuttle from the Vehicle Assembly Building to Complex 39's Pad A for launch on its second mission is scheduled for Monday, August 31, beginning at 5 a.m. EDT.

The 5.6-kilometer (3.5-mile) move to the pad should be completed by early afternoon.

The stage was set for this next step in preparing for the scheduled launch of the STS-2 mission, currently set for no earlier than September 30, by the successful completion on August 26 of the nine-day Shuttle Interface Test which began on August 17.

A news conference on the status of STS-2 processing and schedules will be held at 1 p.m. on Monday in the auditorium of the Press Site Audio Visual Facility. Making the presentation will be George Page, KSC's Director of Shuttle Operations.

For planning purposes, the KSC News Center will be closed on Saturday, August 29, but will be open for badging purposes and information on Sunday, August 30, from noon until 4:30 p.m. Press credentials may be obtained at the Pass and Identification Building at Gate 2 on Florida Route 3 on Merritt Island during those hours by those not holding permanent press badges.

On Monday, August 31, the News Center at the Press Site will open at 3 a.m. Those with credentials may drive directly to the Press Site via State Road 3 or the NASA Causeway off U. S. Route 1 two miles south of Titusville. Those who have not previously obtained credentials must pick them up at the Gate 2 badging station on Florida Route 3, which will be open beginning at 3 a.m.

Rollout coverage will be staged from the Press Site and media representatives who plan to cover the event should be there no later than 4 a.m. Transportation to and from the viewing area will be provided.

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NASA News

IF.5 #18

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 216-88⁸¹
Dick Young - 305-867-2468

Immediate

NOTICE TO EDITORS/NEWS DIRECTORS:

TIME OF STS-2 NEWS CONFERENCE IS RESCHEDULED

KENNEDY SPACE CENTER, Fla. - This notice represents an update of KSC Release No. 215-81 dated August 26, 1981, and titled "Space Shuttle Rollout to Launch Pad Scheduled for August 31".

That release remains valid as to the information pertaining to the scheduled rollout of the STS-2 space vehicle from the Vehicle Assembly Building to Complex 39's Pad A on Monday, August 31, beginning at 5 a.m. EDT.

Due to an unavoidable scheduling conflict, the news conference set for 1 p.m. in paragraph 4 of that release has been rescheduled. The following paragraph contains the new information.

A news conference on the status of STS-2 processing and schedules will be held at 11:30 a.m. EDT on Monday, August 31, in the auditorium of the Press Site Audio Visual Facility. Making the presentation will be George Page, KSC's Director of Shuttle Operations.

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August 27, 1981

NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release

KSC NEWS RELEASE NO. 218-81
Theresa Foley 305-867-2468

Immediate

SPACEPORT EMPLOYEES HONORED AT AWARDS CEREMONY

KENNEDY SPACE CENTER, FLA.-More than 200 employees of Kennedy Space Center were honored with awards for their contributions and service to the Space Shuttle program on Monday, August 31. Group achievement awards were presented to 39 organizations that played outstanding roles in making the first Space Shuttle mission a success.

Presenting the awards were NASA Administrator James M. Beggs; L. Michael Weeks, Acting Associate Administrator for Space Transportation Systems, and KSC Director Richard G. Smith.

The awards ceremony was held in a large tent near the Barge Basin at Complex 39 and its date coincided with the rollout of the Space Shuttle for the second mission from the Vehicle Assembly Building to the the launch pad. Visible in the background was the Space Shuttle vehicle being transported to the pad at snail's-pace speed of about one mile per hour.

The NASA Distinguished Service Medal, one of the highest agency awards that can be earned by an individual, was presented to six persons. It is granted for distinguished service, ability or courage in making a contribution representing substantial progress to aeronautics or space exploration.

Recipients of the DSM were: Raymond L. Clark, Robert H. Gray, Peter A. Minderman, George F. Page, Richard G. Smith and Thomas E. Utsman.

The NASA Distinguished Public Service Medal, for meritorious contributions, was awarded to six contractor employees. They were: Paul C. Donnelly of United Space Boosters, Inc.; Howard S. Harcastle of Boeing Services International, Inc.; Thomas J. O'Malley of Rockwell International Corporation; Dr. Thomas Williams of Computer Sciences Corporation; Thomas C. Wirth of Martin Marietta Aerospace; and Eugene C. Wood of Martin Marietta Corporation.

- more -

The NASA Outstanding Leadership Medal, for notably outstanding leadership, was awarded to 11 employees including: John T. Conway, Col. Marvin L. Jones (USAF), William H. Lohse, John R. Lyon, Joseph F. Malaga, Alfred D. O'Hara, Henry C. Paul, Andrew J. Pickett, Thomas S. Walton, Wiley E. Williams, and George T. Sasseen.

The ten employees honored with the NASA Exceptional Engineering Achievement Medal were: Satish Anand, William W. Bailey, Ronald L. Bartcher, Donald D. Buchanan, Frank Byrne, Kenneth R. Clark, Terry D. Greenfield, Robert B. Martin, James D. Phillips, and Orval Sparkman.

The NASA Exceptional Service Medal, signifying achievement or service characterized by unusual initiative or creative ability, was awarded to 80 employees. The NASA Public Service Medal, awarded for exceptional contributions to engineering, design and development or management coordination of programs related to the accomplishment of the mission of NASA, was presented to 30 contractor employees. The NASA Certificate of Appreciation, for service or contribution to the center which warrants local recognition, was presented to 85 outstanding space center workers.

The NASA Group Achievement Award, for outstanding teamwork or group effort, was presented to 17 organizations for their contributions to the launch of the Space Shuttle. Some of the organizations are: the KSC Launch Operations Support Team; the Eastern Space and Missile Center at Patrick Air Force Base; Detachment 11, Second Weather Squadron, Patrick Air Force Base; the KSC Executive Management STS-1 Support Staff; the Shuttle Center Support Team; the Public Affairs Office; the Sensor Development Team, Director of Design Engineering; the Engineering Documentation Team, Director of Design Engineering; the Microwave Scanning Beam Ground System Team; the Launch Processing System Engineering Management Team, Director of Design Engineering; and the Department of Defense Manager's Space Shuttle Support Office.

Also included were: the San Antonio Air Logistics Center, Directorate of Energy Management Material Division; the 2179th Communications Group; the General Services Administration Interagency Motor Pool; the Solid Rocket Booster Retrieval Team; the Federal Aviation Administration STS-1 Launch Support Team; and the Reliability and Safety Analyses Team, Director of Design Engineering.

The NASA Public Service Group Achievement Award, for outstanding teamwork or group achievement, was presented to 22 contractors, including: Rockwell International Corporation for

the Launch Operations Group; Martin Marietta Aerospace for the External Tank Operations Project; United Space Boosters, Inc.; Thiokol Corporation; Catalytic, Inc. for construction services; International Business Machines, Inc.; McGregor & Werner, Inc.; RCA Service Company for the Communications and Instrumentation Support Services Project Team; Planning Research Corporation for the Design Management Team; and Boeing Services International, Inc. for both the Ground Systems Operations Team and the Supply and Transportation Services Team.

Other contractors honored were: Technicolor Graphic Services, Inc.; the Bionetics Corporation for Standards and Calibration Support Services Team; Pan American for Occupational Medicine and Environmental Health Services Team; both RCA Services Company and Pan American for Space Shuttle Support; Honeywell Information Systems, Inc. for Launch Processing System Central Data Subsystem Project Team; and Management Services, Inc. for Component Refurbishment and Chemical Analysis Team.

Additional contractors honored were: Wackenhut Services, Inc.; Expedient Services, Inc.; Unified Service, Inc.; Canteen of Florida, Inc.; Atlantic Technical Services, Inc.; and RCA Communications. These last six recipients are involved in center support operations.

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August 31, 1981

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

September 4, 1981

Mark Hess

Area Code 305 867-2468

Release No. 224-81

LAUNCH DAY REHEARSAL SET FOR SEPTEMBER 8-9

KENNEDY SPACE CENTER, Fla.--A rehearsal of launch day activities with astronauts Joe Engle and Richard Truly, the prime crew for the second flight of the Space Shuttle, is scheduled to start September 8.

The two-day exercise, called the Dry Countdown Demonstration Test (CDDT), will simulate, as closely as possible, the final 33 hours of an actual Shuttle Launch Countdown and will culminate with a simulated ignition of the three Space Shuttle Main Engines.

Simulated SSME ignition is scheduled for noon on Wednesday, September 9. The signal for main engine start will occur at T-6.8 seconds, and will be followed immediately by a cutoff command from the launch team that will conclude the test.

The countdown demonstration test is designed to demonstrate the sequence of events performed by the launch team and astronauts to prepare the Space Shuttle for launch, evaluate the timeline for putting the astronauts aboard Columbia, and rehearse the launch team and flight crew in an environment similar to that of an actual Shuttle countdown.

The major difference between this test and the actual countdown will be the simulated filling of the external tank with propellants. A separate test is scheduled for September 14 during which the super cold liquid oxygen and liquid hydrogen propellants, burned by the orbiter's three main engines, will be put inside the 154-foot tall tank. However, the astronauts will not participate in the cryogenic loading test.

Engineers are scheduled to be called to their Firing Room 1 consoles at midnight Monday, September 7, signaling the start of the test. The countdown clock will start at T-33 hours. There will be three planned holds. The holds will occur at the same times in this test as in the actual launch countdown.

The first hold will be at the T minus 2 hour and 5 minute

mark for a duration of 1 hour. During this time, the prime crew will suit up in their flight suits and be transported in the Astronaut Van from the Operations and Checkout Building to Pad A.

Another planned hold for 10 minutes will occur at the T-20 minutes mark. And the final hold will be at T-9 minutes and is 10 minutes in duration.

Coming out of the hold at T-9 minutes, the Ground Launch Sequencer (GLS) will be activated. The GLS takes command of the launch countdown for the final nine minutes. It performs the hundreds of steps needed to prepare the Shuttle for launch at speeds much faster than humans can perform. At the same time, the GLS is monitoring nearly a thousand different parameters from vital systems onboard the Shuttle.

Established criteria for such things as the sequence of events, temperatures, pressures, turbine speeds and the time it takes systems to function, are monitored by the GLS. If, during this critical time period, the GLS detects any of those vital measurements out of their predetermined margins, it will automatically stop the countdown and recycle it for another attempt.

Most of the Shuttle's on-board systems will be active during the test. Shuttle systems that will not be used include the electricity producing fuel cells, and the hydrazine-fueled units on the orbiter and twin booster rockets which provide hydraulic power during flight. Electrical power will be provided by pad facilities, and ground hydraulic systems will be used to move the SSME and SRB engine nozzles and the aerosurfaces on the orbiter during the test. No engines will be fired during the test.

(end of general release)

Notice to Editors/News Directors:

There will be several photo opportunities of prime crew astronauts Engle and Truly during the dry CDDT.

On September 8, from 7:00 a.m. to 9:30 a.m., the prime crew will be flying the Shuttle Training Aircraft at KSC's Shuttle Landing Facility. News media will have the opportunity to photograph the crew boarding the modified Gulfstream jets and making Shuttle landing approaches to the 15,000 foot long runway. Press who wish to cover this event should be at the Complex 39 Press Site no later than 6:30 a.m. on that day. Transportation to the Landing Facility will be provided.

On September 9, press may cover the departure of the astronauts from the O&C Building, or their arrival at Pad A for the terminal portion of the Dry CDDT. Press who wish to cover either of these two photo opportunities should be at the Complex 39 press site no later than 8 a.m. Wednesday, September 9. Transportation will be provided.

Also, at the conclusion of the Dry CDDT, astronauts will meet with the press at a camera mound on perimeter of the launch pad for a brief question and answer and photographic session. Press wishing to participate in this brief news conference should plan to be at the Complex 39 Press Site no later than noon on Wednesday. The conference should take place about 1 p.m.

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NASA News

1F.5 #18

K

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 225-81
Ann Skinner 305-867-2468

Immediate

KSC VISITORS CENTER ATTRACTS CROWDS

KENNEDY SPACE CENTER, Fla. --More than 216,600 people toured the Visitors Information Center at NASA's Kennedy Space Center in August. So far this year the center has had just over 1.5 million visitors, about 25 percent more than during the same period last year.

Of the August visitors, 173,336 took the guided bus tour of KSC to view the Orbiter Processing Facility, the Vehicle Assembly Building and Complex 39, where the Space Shuttle is refurbished, assembled and launched. Other attractions, such as the Shuttle Landing Facility and the building where the astronauts trained for early manned space missions, are also on the tour. Patronage of the bus tour for the month ran 24.1 percent ahead of August 1981.

In July 237,865 people visited the center, and 190,292 took the bus tour.

During September and until launch of the second Space Shuttle mission next month, visitors will be able to see the Orbiter Columbia, joined to its fuel tank and solid rocket boosters, on Pad A of Complex 39. Tour buses stop at two points to view the spaceship.

Recent additions to the Visitors Center include the Hall of History depicting U.S. spaceflight from the one-man Mercury capsules through Skylab. A tunnel there "hurls" visitors into a solar system where the spacecraft NASA has launched to explore it are displayed.

Admission to the Visitors Center is free, but there is a charge for the bus tours. It is open every day from 8 a.m. until sunset except Christmas and certain periods on launch days.

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September 4, 1981

NASA News

IF.5 #18

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~~Proposed~~
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Frank

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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC NEWS RELEASE NO. 226-81
Ann Skinner 305-867-2468

Immediate

CONTRACTOR NAMED FOR SHUTTLE LANDING VIEWING AREA

KENNEDY SPACE CENTER, Fla. --A contract has been awarded for construction of a viewing site at the KSC Shuttle Landing Facility.

The \$218,944 contract was awarded to Frank A. Kennedy, Inc., 415 Commercial Drive, Cape Canaveral, Fla. The contract is one set aside for award to a small business.

The reusable Space Shuttle is now scheduled to begin landing at KSC, its primary launch and landing site, on its fifth mission. The first mission of the Orbiter Columbia landed at NASA's Dryden Flight Research Center at Edwards Air Force Base, California; the next three developmental flights are also scheduled to touch down there because of the availability of the lengthy safety overruns possible from the landing strips marked out on billiard-table-flat Rogers Dry Lake there.

The KSC viewing site for press and NASA guests will be located east of the runway and north of Sharkey Road. It will be 750 feet long, 650 feet wide and 12 and a half feet above sea level. The construction project includes an entrance road, parking area, ramps, lighting, telephone facilities and a reflecting pond.

The Shuttle Landing Facility at KSC is 15,000 feet long and 300 feet wide with a 1,000-foot overrun at each end for safety. Its axis is northwest to southeast, and the orbiter may land from either direction. The strip is roughly twice as long and twice as wide as the average commercial runway.

Until the Shuttle begins regular landings at KSC, it will be ferried back to the landing facility here on top of a modified Boeing 747.

The second mission of the Space Shuttle is now scheduled for launch no earlier than October 9.

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September 7, 1981

NASA News

IF.5 #18



National Aeronautics and
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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Theresa Foley 305-867-2468
KSC NEWS RELEASE NO. 229-81

Immediate

PLAYALINDA BEACH TO BE CLOSED SEPTEMBER 14-15

KENNEDY SPACE CENTER, FLA.---Some good news, and some bad news. First, the good news is that preparations for the second mission of the Space Shuttle Columbia are on schedule for an October 9 launch.

The bad news for beach-goers is that Playalinda Beach and Canaveral National Seashore will be closed on Monday and Tuesday, September 14-15 due to cryogenic fuel tanking tests in preparation for the launch from Pad 39A. Playalinda Beach is located on NASA's Kennedy Space Center and is part of the Canaveral National Seashore.

An early conclusion of the test could reopen the beach on Tuesday, September 15. Surfers and sunbathers should call the Canaveral National Seashore Office at 867-4675 on Tuesday, September 15, for the current status of the beach.

The beach will be closed for safety and security reasons, and will be reopened as soon as is practicable.

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September 10, 1981

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

IF.5 #18

K

For Release:

KSC RELEASE NO. 230-81
Dick Young 305-867-2468

Immediate

NOTICE TO EDITORS/NEWS DIRECTORS:

PARKING RESTRICTED ON MOUND AT COMPLEX 39 PRESS SITE

KENNEDY SPACE CENTER, Fla. - The pace of preparations for launch of the second Space Shuttle mission no earlier than October 9 is quickening and it has become necessary to restrict parking on the mound at the Press Site at Launch Complex 39.

A new Tours and Interview Center as well as other structures have been put in place for the STS-2 mission. To provide electrical, telephone, mechanical and other necessary support personnel and their vehicles access to Press Site buildings and structures, it has become necessary to relocate press parking to the paved parking lot located at the northeast of the Press Site mound.

Parking on the mound is now restricted to government and contractor support vehicles.

All editors and news directors are requested to assist us in making the Press Site ready for launch-related activities by directing their personnel to park in the designated parking lot.

This change in parking regulations goes into effect immediately.

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September 10, 1981

NASA News

NWSE-E

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

Theresa Foley 305 867-2468
KSC NEWS RELEASE NO. 246-81

For Release:
October 20, 1981

REUNION WILL BRING MERCURY TEAM TOGETHER AGAIN

KENNEDY SPACE CENTER, FLA. - NASA's KARS Park will play host to many of the astronauts, engineers, technicians, and assorted aerospace workers who played a part in making history more than 20 years ago during Project Mercury this weekend as they get together on October 24 for one more blast-off, only this time on a little smaller scale.

Several hundred people who were involved in the first manned launch project of the space program are expected to show up at the party for a day of eating and reminiscing. According to Sam Beddingfield, who was a Mercury systems engineer, the only other activities planned for that day will be "renewing acquaintances and remembering a fun project."

Current and former NASA employees, contractors, range and recovery personnel will gather from all over the United States. KARS Park Complex 99 is located on the south end of the NASA reservation and is accessible via Hall Road from Florida Route 3 north of the Barge Canal.

The idea to hold the reunion was generated by the members of Beddingfield's carpool during one of their daily rides to the space center from Titusville. It will be the first reunion ever for the team that worked on Project Mercury.

Beddingfield estimates between 100-500 persons will attend the reunion. He said the main problem in planning the get-together was determining how many people to cater food and refreshments for. Anyone planning on going should get in touch with one of the picnic organizers now.

The picnic will be open to all people who worked on Project Mercury, including members of the press who covered it. A large number of retirees have shown an interest in the reunion. However, because former employees are so widely scattered around the country, Beddingfield has enlisted the help of some local news media to publicize the reunion.

Any Project Mercury team member wishing to attend the reunion should contact Sam Beddingfield at 305-867-2234 to order a ticket. Tickets are \$10, and include food and refreshments.

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NASA News

IF.5 #18

W. J. Brown
W. J. Brown
W. J. Brown

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release

KSC RELEASE NO. 262-81
Roland Raab, Phone AC 305/867-2468

Immediate
September 23, 1981

NASA ESTABLISHES MISHAP INVESTIGATION COMMITTEE

KENNEDY SPACE CENTER, Fla. -- John F. Kennedy Space Center Director Richard G. Smith has named a mishap investigation committee to investigate the circumstances surrounding a mishap involving a leak of nitrogen tetroxide oxidizer which resulted in damage to the Space Shuttle Orbiter. The mishap took place on September 22, 1981 at Pad A of Launch Complex 39.

The committee was charged with the responsibility to investigate the facts, determine the probable cause of the mishap, assess the possibility of recurrences of similar mishaps and recommend corrective or remedial actions.

The members of the committee are as follows:

- Mr. Wiley E. Williams (KSC) - Chairman
- Mr. Russell E. Rhodes (KSC)
- Mr. Haggai Cohen (NASA HQ)
- Mr. Chester A. Vaughan (JSC)
- Mr. Charles W. Murphy (Rockwell International)
Contractor Advisor
- Mr. James A. Thomas (KSC) - NASA Advisor
- Mr. James B. Lansing (KSC) - Executive
Secretary

Formation of such a committee is an established procedure following an incident involving damage to a flight vehicle. Some of the first actions of the committee were to obtain all records and documentation pertaining to the incident for study and to ask that fueling or defueling operations of the Space Shuttle involving hypergolic propellants be suspended.

The committee expects to release an interim report of findings by October 6, and a final report should be presented by October 13, 1981.

NASA News

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National Aeronautics and
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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release

Mark Hess
KSC News Release No. 264-81

Immediate
September 28, 1981

NOTICE TO EDITORS/NEWS DIRECTORS

SPACE SHUTTLE NEWS CONFERENCE SCHEDULED FOR OCTOBER 2

KENNEDY SPACE CENTER, Fla.--A briefing on the status of the Space Shuttle and the short-term schedule of activities that will lead to the second launch of the reusable vehicle is scheduled for October 2.

The conference will be held at 11 a.m. in the auditorium of the Audio-Visual Center at the Complex 39 Press Site.

Giving the briefing will be Shuttle Operations Director George Page. Page is expected to discuss progress on repairs being made to the Columbia following a spill of oxidizer on September 22, and the remaining activities to prepare the Space Shuttle for its next launch, which will probably occur within the late October to early November time frame.

A firm launch date will probably not be set by NASA Headquarters until late next week.

News media representatives with permanent badges may attend the news conference by driving directly to the Complex 39 Press Site via the NASA Causeway off U.S. Route 1, two miles south of Titusville, or Florida Route 3 on Merritt Island.

Those without permanent badges should call the news center at Area Code 305 867-2468 to make arrangements for clearance.

The news conference will be carried on the V-2 circuit for those media unable to attend. To obtain the V-2 circuit, dial the KSC Operator at 867-7110 and ask to be connected with the V-2 circuit.

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NASA News

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National Aeronautics and
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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Roland Raab
Telephone 305-867-2468
KSC News Release No. 265-81

Immediate
October 1, 1981

PLANNING RESEARCH CORPORATION WINS NASA CONTRACT RENEWAL

KENNEDY SPACE CENTER, Fla. -- Planning Research Corporation (PRC), of 7600 Old Springhouse Road, McLean, Virginia, has won an extension to an existing contract to provide design engineering support for the Space Shuttle program at the John F. Kennedy Space Center.

The contract renewal is for a total of \$29,468,899, bringing the value of the contract to a grand total of \$194,509,387 to date. The cost plus fixed fee contract is in its eighth year, and the term of the renewal extends from May 20, 1981 through May 19, 1982.

PRC provides design engineering and construction management for the Space Shuttle program, its ground support facilities and projects of the KSC Design Engineering Directorate. Some of the projects for which PRC has provided support include construction of the Vehicle Assembly Building, Launch Complex 39, the Mobile Launcher Platforms and their Crawler Transporters and various payload handling equipment at the space center.

The Space Shuttle is a revolutionary new space transportation system designed to provide routine and economical access to and from space for a variety of scientific, industrial and military customers. The second flight of the Space Shuttle is scheduled to take place in late October or early November from Kennedy Space Center.

NASA News

1F.5 #18

National Aeronautics and
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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Roland Raab
Tel. AC 305-867-2468
KSC News Release No. 278-81

Immediate
October 5, 1981

INTERNATIONAL BUSINESS MACHINES WINS NASA CONTRACT RENEWAL

KENNEDY SPACE CENTER, Fla. -- International Business Machines Corporation, of 7900 Astronaut Boulevard, Cape Canaveral, Fla., has won a three year renewal of an existing contract at the John F. Kennedy Space Center.

The cost plus award fee contract is for a value of \$27,996,434, bringing the total value of the contract to \$84,355,534 to date. Under the contract, IBM performs systems engineering and software development services in support of the Space Shuttle Launch Processing System at Kennedy Space Center and at Vandenberg Air Force Base in California.

The term of the contract extension runs from October 1, 1981 through September 30, 1984.

The Space Shuttle is a revolutionary new space transportation system designed to provide routine and economical access to and from space for a variety of commercial, scientific and military customers. The second in a series of test missions of the Space Shuttle is expected to be launched from Kennedy Space Center in late October or early November.

NASA News

N W S T - E

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 279-81
Ann Skinner
Area Code 305-867-2468

Immediate

SEPTEMBER ATTENDANCE AT KSC VISITORS CENTER AHEAD OF 1980

KENNEDY SPACE CENTER, Fla.--The number of visitors to the Visitors Information Center at KSC in September exceeded the number of visitors in September 1980 by 51.9 per cent.

Attendance at the Visitors Center for the year so far is running 26.5 per cent ahead of the same period of 1980.

Last month, 112,876 people visited the center, and 90,301 took one of the available bus tours. So far this year, total attendance has been 1,614,062, and 1,291,250 have elected a tour. Tour patronage has already exceeded every whole year since the tours began in 1967 except 1972 when 1,389,042 people took the bus tour. KSC officials expect that before the end of 1981 tour patronage will reach about 1.6 million, and total attendance will reach two million, surpassing the 1972 record of 1,736,302.

Admission to exhibits at the center, including the new Hall of History and its simulated trip through space, is free. There is a charge for bus tours.

Although the date for the launch of the second Space Shuttle mission has not been set, it has been announced that the Visitors Center will close at 3 p.m. the day before launch and will reopen about three hours after launch.

Kennedy Space Center is the primary launch and landing site for the reusable Space Shuttle, which made its first developmental flight last April. The Space Shuttle is a revolutionary new transportation system designed to provide routine and economical access to space and return for commercial, scientific and defense users.

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NASA News

IF.5 #18

National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Theresa Foley 305-867-2468
KSC NEWS RELEASE NO. 281-81

Immediate

ENDANGERED FALCONS VISIT KENNEDY SPACE CENTER

KENNEDY SPACE CENTER, FLA.-Legendary birds of prey, once worshipped in ancient Egypt as the Lofty Ones and more recently threatened with extinction, will pass through Kennedy Space Center in October and November on their seasonal pilgrimage to warmer winter climates.

The majestic Arctic peregrine falcon has been a treasured sight to veteran birdwatchers at Canaveral National Seashore, one of the top wildlife refuges in the country in terms of the numbers of species of birds. An estimated 50-100 falcons will fly through the Merritt Island National Wildlife Refuge/Canaveral National Seashore, both located on NASA property, during their annual migration to Mexico, Central and South America by way of Florida for about two months in the fall.

Fears that the falcons would disappear forever have been alleviated by artificial breeding projects to reintroduce the Arctic peregrine falcon to the Eastern United States. Threatened by man's pesticides, destruction of habitat and collection of eggs and young birds, the falcon has been placed on the federal endangered species list.

The migratory flight from Newfoundland and Canada, along with introduction of the birds to nests on skyscrapers of Northern U.S. cities, marks the past few years as the first time the birds have bred in the wild in the Eastern United States in decades. In 1980, Fish and Wildlife Service employees counted 30 Arctic peregrine falcons in 92 hours of observation.

The falcons can be recognized by their distinct markings and behavior. Arctic peregrine falcons measure about 20 inches from head to tail. The adult bird has a black cheek patch, slate-blue back and horizontal bars on the breast, while the young bird has a brown back and vertical bars on the breast. Other characteristics include hooked beaks, sharp claws, long pointed wings and a long narrow tail.

-more

As a bird of prey, the falcon will dive down on victim birds at speeds estimated at more than 200 miles per hour hitting them with a force that knocks them lifeless. The falcon has been known to overtake small aircraft while in flight.

An excellent point of observation is available to the public whenever Canaveral National Seashore is open. Known as Camera Pad 10, the observation mound is located at the North end of the road along Playalinda Beach and rises about 20 feet above the sand dunes and offers a sweeping view of ocean surf, dunes and Mosquito Lagoon. The falcons soar along the coast or inland waterways and according to Rob Lee, the Fish and Wildlife Service's resident bird expert, Camera Pad 10 is the best viewing site for the increasingly popular pasttime of birdwatching.

"Thousands of people come to the Merritt Island Wildlife Refuge solely to birdwatch," said Lee. "Evidence suggests birdwatching might be becoming one of the most popular outdoor activities in America--it's not just little old ladies in tennis shoes anymore."

"The range of people interested in birdwatching crosses socio-economic barriers. I know doctors, dropouts, housewives, teachers and mechanics who want an excuse to get outdoors," said Lee. "So they take up birdwatching because it's interesting, exciting--a form of therapy."

Lee, who is president of the Indian River Audubon Society, has been interested in birds since he was 10 years old. He later decided to study birds as a career because he wanted to do something positive for them. A degree in biology from California State University in Sacramento prepared Lee for his present job managing wildlife at Merritt Island Wildlife Refuge.

"Working in the refuge is very satisfying, a dream come true for me," said Lee. But as the number of qualified people has increased in wildlife management, the demand for employees has decreased. So people who want to study or be involved with wildlife have turned to it as a hobby.

The three B's of birdwatching comprise the rudimentary requirements that every beginning "birder" should recognize as essential--binoculars, bird book and bug spray. A bird list is available to anyone who stops at the wildlife refuge headquarters, and the National Park Service sells an excellent illustrated field guide for \$10.

Lee had a few words of advice for the novice birdwatcher, "Don't be in a hurry."

Several other endangered species of birds can be seen at Canaveral National Seashore, on Merritt Island Wildlife Refuge and at the Kennedy Space Center. The Brown Pelican, the Louisiana state bird (although by the 1960's it could no longer be found there) has been commonly seen at Canaveral National Seashore.

"People say that they are so common that they shouldn't be on the endangered species list, but they are," said Lee. The Brown Pelican is easily recognized by its long bill and flexible pouch underneath, looking like a big double chin. Brown Pelicans tend to fly in single file formation, each one imitating the movements of the one in front in follow-the-leader style.

Two colonies of the Wood Stork, a bird on the state endangered species list, breed on Merritt Island. The Wood Storks were doing very well until the continued drought in the spring of 1981, which prevented them from breeding. The Wood Stork is a large white bird with a dark, wrinkled featherless head.

The American Bald Eagle nests in several places on Merritt Island. Several eagles returned to KSC in early September. The Florida Scrubjay, a small dull-blue bird, is an attraction for Eastern bird lovers since the closest place to see it other than Florida is West Texas.

A small brown bird of the tall grass marshes, the Dusky Seaside Sparrow, used to be a real attraction for the Merritt Island Wildlife Refuge but has currently become one of the most severely endangered birds in the world. Five males are in captivity in Gainesville, Fla., at a junior college, and the possibility exists that there are no more Dusky Seaside Sparrows in the wild.

Hundreds of species of birds are visible on the wildlife refuge that are not on the endangered species lists, but are among the most beautiful birds in the world. The Great Blue Heron, big and blue, graces the marshes of Merritt Island in abundant numbers. A large pink bird, the Roseate Spoonbill, winters in flocks on Merritt Island and can be seen filter feeding in shallow water lagoons.

Ducks, sandpipers and terns are among the more than 285 species of birds to be found at Canaveral National Seashore, Merritt Island Wildlife Refuge and Kennedy Space Center. The wildlife has contributed to making the area a haven for thousands of people who visit every year to enjoy nature.

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October 7, 1981

① Please notify Powder
to mail directly to SPV-3

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Frank Jarrett

NASA News

IF.5 #18

National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC NEWS RELEASE NO. 290-81
Theresa Foley 305-867-2468

Immediate

NOTICE TO EDITORS/NEWS DIRECTORS

RCA D PRESS SHOWING SCHEDULED FOR OCTOBER 22

KENNEDY SPACE CENTER, FLA.-The RCA D satellite, scheduled for launch aboard a Delta rocket no earlier than November 19, 1981, will be available for press viewing before its encapsulation at a showing on Thursday, October 22 at 10:30 a.m.

Project officials will be available to answer questions about the communications satellite and its mission.

Permanently accredited members of the press may drive directly to Hangar AE on Cape Canaveral Air Force Station to cover the event via Gate 1 or through Kennedy Space Center. Press will be met in Room 100 of Hangar AE and escorted to the clean room to see the spacecraft.

News media representatives without permanent accreditation who are interested in covering the spacecraft showing should call the NASA News Center at 305-867-2468 to arrange for badging. Temporarily badged press should be at the Press Site at Complex 39 at KSC by 10 a.m. on October 22 in order to board a bus that will shuttle them to Hangar AE.

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October 15, 1981

NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 291-81
Dick Young - 305-867-2468

Immediate

NOTICE TO EDITORS/NEWS DIRECTORS:

SPACE SHUTTLE STATUS CONFERENCE SCHEDULED FOR OCTOBER 26

KENNEDY SPACE CENTER, Fla. - A news conference on the status of preparations for the second Space Shuttle mission will be held in the auditorium of the Complex 39 Press Site Audio-Visual Facility on Monday, October 26, at 11 a.m.

A summary of launch preparations, current status and schedules will be presented by George Page, KSC's Director of Shuttle Operations. The conference is timed to precede the beginning of the countdown for the STS-2 mission, which is scheduled to begin at 1 a.m. on Saturday, October 31.

Media representatives with permanent press credentials may drive directly to the Complex 39 Press Site. Those without permanent badges should call the News Center at Area Code 305-867-2468 to make the necessary access arrangements.

Those unable to attend the conference in person may monitor it by telephone by calling the KSC Operator at 305-867-7110 and asking to be plugged into the V-2 Circuit.

The conference will also be piped into NASA Headquarters, Washington, D. C.; the Johnson Space Center, Houston, Texas; the Marshall Space Flight Center, Huntsville, Ala., and the Dryden Flight Research Center, Edwards California.

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October 16, 1981

NASA News

1F.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Theresa Foley 305-867-2468
KSC NEWS RELEASE NO. 298-81

Immediate

PLAYALINDA BEACH TO CLOSE FOR SHUTTLE LAUNCH

KENNEDY SPACE CENTER, FLA.-Playalinda Beach, located on NASA property adjacent to the Space Shuttle launch pad, will be closed to the public in concurrence with the start of the launch countdown, scheduled for October 31, 1981.

The beach will be closed from 6 p.m. October 31 until the day after the Space Shuttle launch, or November 5 at 6:30 a.m., in the event that the Columbia is launched on November 4 as is currently scheduled.

Anyone planning an excursion to Playalinda Beach on a day near a scheduled Space Shuttle launch should keep advised on beach status by calling Canaveral National Seashore to avoid being turned back at the gate. Sunbathers and surfers can call the seashore office at 867-4675 for the current status of the beach.

Badged Space Center employees who normally use the North gates on the Beach Road (Route 402/406) to drive to work from Titusville may do so until 5:30 a.m. the day of launch. The Beach Road from Titusville to State Route 3 South will remain open to badged employees until that time.

However, State Route 3 between the Haulover Canal and the Beach Road, and the Beach Road east of State Route 3 will be closed to all traffic starting at 3 p.m. on the day before launch (November 3) with the exception of essential personnel who are on a special access list. Badged employees who normally drive to work on the portion of State Route 3 between Haulover Canal and the Beach Road should use Route 402/406 near the eastern end of the Titusville causeway for access before 5:30 a.m. After 5:30 a.m., the outermost gate on Route 402/406 from Titusville will also be closed and all employees must enter through Gates 1, 2 or 3.

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October 20, 1981

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center Florida 32899
AC 305 867 2468

NWSI-E
IF.5 #18

For Release

KSC RELEASE NO. 289-81

Immediate

Hugh Harris

Dick Young

Area Code 305 867-2468

FIRST STEPS TOWARD SHUTTLE PROCESSING CONTRACT ANNOUNCED

KENNEDY SPACE CENTER, Fla.--Representatives of companies that might be interested in bidding on a future contract to do all shuttle processing for NASA have been invited to watch the complete cycle of preparation of the Space Transportation System for its third mission, KSC Director Richard G. Smith announced today.

Smith said that qualified companies have been invited to assign a limited number of their own managers and engineers to observe and assess the steps required from the time the orbiter returns to KSC after its second trip in space until it is returned after its third mission. The group of observers will have no active role and no official responsibility for shuttle processing operations.

The invitation is an effort to give potential bidders every opportunity to learn what it takes to prepare the shuttle for flight in order to assure knowledgeable competition when NASA solicits proposals for a Shuttle Processing Contract (SPC) next fall.

The plan evolved after recent discussions with industry representatives invited to KSC to assist in planning activities. Smith asserted that NASA is "anxious to demonstrate that a viable competition with the hardware developers is a realistic possibility." He said, "NASA is prepared to alter its traditional role of involvement in day to day shuttle operations and redirect its resources to other activities more in keeping with the NASA research and development mission."

The new contract will cover refurbishment after flights of Space Transportation System orbiters in preparation for their next missions, checkout and assembly of the other elements of the Space Shuttle such as the External Tank and Solid Rocket Boosters, and responsibility for support operations and materials, including maintenance and operation of facilities.

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The SPC is the second of three comprehensive contracts that NASA intends to establish at KSC as the most effective and economical method of conducting Shuttle missions when the system becomes operational subsequent to the first four developmental flights. The first contract, covering base operations, or institutional support services, is scheduled to be awarded about one year from now. The third, the Cargo Processing Contract, is not currently scheduled but is intended to follow the other two.

Smith said that NASA management is convinced of the necessity to streamline STS operations and that there is significant opportunity to reduce costs. "By making the contractors as self-sufficient as possible," Smith said, "the government should be able to reduce the number of daily contacts and approvals now required to manage the work, give the contractors more direct responsibility and hold them more strictly accountable for their performance and results. This should bring about lower costs to the government and the industry payoff would be through incentive fees based on performance and cost."

Using the experience of industry representatives observing the processing of the space shuttle for its third mission, NASA plans to develop a statement of work for release next fall. About nine months will be allowed for proposals, evaluation and negotiation of a new shuttle processing contract. A six-month transition period is planned to permit orderly turnover after the contract is awarded in the summer of 1983. If the schedule holds, the contractor will begin full operations at the beginning of 1984. The schedule is almost a year ahead of the initial plan, Smith said.

KSC is the primary launch and landing site for the reusable Space Shuttle, which made its first developmental flight last April. The second mission, STS-2, is scheduled for launch Nov. 4. The Space Shuttle is the new transportation system designed to provide routine and economical access to space and return for commercial, scientific and defense users.

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October 21, 1981

NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 297-81
Ann Skinner
Area Code 305 867-2468

IMMEDIATE

FREEZE FORECAST SYSTEM WILL BE DESCRIBED AT KSC MEETING

KENNEDY SPACE CENTER, Fla.--The Satellite Freeze Forecast System (SFFS), developed by the University of Florida and NASA's Kennedy Space Center in cooperation with the National Weather Service of the National Oceanic and Atmospheric Administration, will be described to county extension agents and citrus growers at a training session Monday and Tuesday (Oct. 26 and 27) at KSC.

The system uses data from weather satellite images, reconstructed and enhanced by computer into a vivid, multi-colored map, to track the freeze line across growing areas. Historical weather data is also used to predict the movement of the line. The aim of the system is to save growers fuel costs by improving the accuracy of freeze predictions.

SFFS will be used in the territories of five Florida county extension agents and in one Georgia county this winter. The Florida areas that will have access to the system are southern Dade County, St. Lucie, Pope, Madison and Orange and Lake Counties.

Access to the warning system requires computer equipment, which will be demonstrated at the meeting. Use of the computer for interpretation of aerial photography data will also be explained.

The session on computer communications is sponsored jointly by KSC and the Institute of Food and Agricultural Science of the University of Florida. It will also include briefings on the Space Shuttle and on spinoffs from the space program.

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October 21, 1981

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IMMEDIATE

KSC VISITORS CENTER SETS ALL-TIME ANNUAL RECORD BEFORE YEAR'S END

KENNEDY SPACE CENTER, Fla.--In the first ten months, plus one day, of 1981 the Visitors Information Center at NASA's Kennedy Space Center surpassed its previous attendance record for an entire year.

As of Sunday, Nov. 1, 1,739,402 people had visited the center this year.

The previous record was 1,736,302 visitors in all 12 months of 1972.

The number of visitors who took the guided bus tour of KSC also went into the record book Nov. 1, when 1,391,522 passengers boarded. In 1972 the total for the year was 1,389,042. The Visitors Center opened in July, 1966.

In October the center had a total of 121,787 visitors, 43.6 per cent more than for the same month last year. Bus tours attracted 97,430 persons. From January through Oct. 31 total attendance was 1,735,850, up 27.5 per cent from the same period last year.

Admission to the exhibits at the center, including the new Hall of History and its simulated trip through space, is free. There is a charge for bus tours.

The Visitors Center will close at 3 p.m. Tuesday, Nov. 3, because of the launch of the second mission of the Space Shuttle on Wednesday. Visitors should call the center after launch to check on its reopening Wednesday. The telephone number is 867-1566.

Kennedy Space Center is the primary launch and landing site for the reusable Space Shuttle, which made its first developmental flight in April.

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November 2, 1981

NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 310-81

Immediate

Roland Raab
AC 305/867-2468

COMPANIES TO OBSERVE SPACE SHUTTLE PROCESSING

KENNEDY SPACE CENTER, Fla. -- Representatives of companies which have expressed an interest in bidding on a future Shuttle Processing Contract (SPC) have begun observing that processing operation here.

The new contract will establish a single contractor responsible for refurbishment of Space Shuttle orbiters between missions, checkout and assembly of other elements of the Space Shuttle such as the External Tank and Solid Rocket Boosters, and responsibility for support operations and materials, including maintenance and operation of related facilities.

Existing contract arrangements involve a number of major and minor contractors requiring extensive daily contacts and approvals between contractor and NASA management officials. NASA believes that the SPC will considerably streamline and improve the between flights process, thus reducing costs.

Major airline and aerospace companies that might be interested in bidding on the SPC were invited to observe and assess the steps required to prepare the Space Shuttle for a trip into space. A total of 23 companies requested permission to observe the process, and of those, eight have been notified that they may send representatives to Kennedy Space Center.

NASA expects that about 100 persons will represent the various companies, which will not be reimbursed by NASA for the expenses of the three to four month observation period. NASA will provide working space for the representatives.

The observers will be given necessary safety training for access into controlled areas and will be assigned a NASA "big brother" who will insure that they see all pertinent steps of the complex activities and absorb the flavor of NASA management. The NASA big brothers will come from KSC directorates directly involved in shuttle processing, and the individuals will be from equivalent levels of management with the company representatives in order to best anticipate the representatives' needs.

NASA will use the experience of the industry representatives, plus any suggestions they might offer, to develop and issue a statement of work for the SPC. The statement will be issued next fall.

About nine months will be allowed for proposals, evaluation and negotiation of the Shuttle Processing Contract. A six-month transition period is planned to allow the orderly turnover after the contract is awarded in the summer of 1983. If the proposed schedule holds, the contractor will begin full operations at the beginning of 1984.

The Shuttle Processing Contract (SPC) is the second of three comprehensive contracts that NASA intends to establish at Kennedy Space Center as the most effective and economical method of conducting Space Shuttle missions when the system becomes operational. The first contract, covering base operations, or institutional support services, is scheduled to be awarded in about one year. The third, the Cargo Processing Contract, is not currently scheduled but is intended to follow the other two.

The Kennedy Space Center is the primary launch and landing site for the reusable Space Shuttle, now in its four mission developmental flight series. When operational, the Space Shuttle will provide routine and economical access to and from space for a variety of commercial, government and defense users.

NOVEMBER 25, 1981

* * *

(END OF GENERAL RELEASE. A LIST OF COMPANIES IS ATTACHED.)

COMPANIES NOTIFIED AS PARTICIPANTS ARE;

Martin Marietta Aerospace

Boeing Services International, Inc.

United Airlines

Lockheed Corporation

Grumman Aerospace Corporation

General Dynamics

Rockwell International

United Space Boosters, Inc.

NASA News

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National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867 2468

For Release:

KSC RELEASE NO. 313-81
Ann Skinner
Area Code 305 867-7819

IMMEDIATE

NOTE TO EDITORS, NEWS DIRECTORS: OSTA-1 BRIEFING AVAILABLE AT KSC

The press briefing on the scientific results of the OSTA-1 earth resources payload on the second mission of the Space Shuttle will be available via two-way audio at Kennedy Space Center Tuesday, Dec. 8, at 10 a.m. News representatives wishing to participate in the question-and-answer period should be at the Press Site auditorium at 10 a.m. The briefing will also be available on the V-2 circuit, which may be reached by calling Area Code 305 867-7110 and asking to be connected to the circuit.

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December 3, 1981

NASA News

15.5 #18

National Aeronautics and
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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

KSC RELEASE NO. 314-81
Dick Young - Area Code 305-867-2468

Immediate

NOTICE TO EDITORS/NEWS DIRECTORS:

SPACELAB FLIGHT HARDWARE TO ARRIVE AT KSC IN DECEMBER

KENNEDY SPACE CENTER, Fla. - The first major elements of Spacelab flight hardware will arrive at the Kennedy Space Center from the ERNO plant in Bremen, West Germany, later this month.

The first of two shipments scheduled this month is due to arrive at KSC's Shuttle Landing Facility aboard an Air Force C-5A "Galaxy" at 2 p.m. EST on Friday, December 11. This shipment will include two pressurized modules, two pallets and related support hardware.

Aboard the C-5A making this delivery will be Hans Hoffmann, ERNO managing director, and other ERNO executives. Greeting the aircraft to accept Spacelab delivery will be a number of senior NASA representatives from the Kennedy Space Center.

Media representatives who wish to view the Spacelab flight hardware arrival and interview those taking part in the brief arrival ceremony should be at the KSC News Center at the Complex 39 Press Site Friday by 1:15 p.m. Transportation to and from the Shuttle Landing Facility will be provided.

A second shipment of Spacelab flight hardware is to arrive at KSC's Shuttle Landing Facility aboard a 747 transport operated by the West German airline Lufthansa on December 21.

Spacelab is a versatile laboratory which will be carried to and from Earth orbit in the payload bay of Space Shuttle orbiters. It consists of pressurized modules in which scientists and engineers can work in space in a shirtsleeve environment and pallets or platforms upon which scientific experiments or instruments can be exposed to the space environment.

Spacelab is being provided by the European Space Agency. Prime contractor for ESA in its Spacelab venture is the ERNO firm of Bremen, West Germany.

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December 7, 1981

NASA News

1F.5 #18

National Aeronautics and
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John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Theresa Foley 305-867-2468
KSC NEWS RELEASE NO. 315-81

Immediate

NOVEMBER BANNER MONTH FOR KSC VISITORS CENTER

KENNEDY SPACE CENTER, FLA.-The second launch of the Space Shuttle in November contributed to another record-smashing month for visitor attendance at NASA's John F. Kennedy Space Center. An estimated 97,500 persons patronized the KSC Visitors Center in November, 1981, the largest number for the month since the Visitors Center opened in 1966.

"This is our banner year," said Arnold Richman, Chief of Visitor Services Branch of the Public Affairs Office at KSC. "I'm looking forward to the best year we've ever had, with a total visitation of about two million."

The second mission of the Columbia brought many Shuttle launch viewers to Brevard County to witness the Nov. 12 launch. The days surrounding the launch scrub on Nov. 4 and the actual launch consistently drew crowds of more than 2,000 to the Visitors Center each day.

Providing up-to-date information on the space program has been one of the main attractions of the Visitors Center. Space Shuttle buffs can view a videotape of the STS-2 launch and mission highlights, one of the newest attractions at the Visitors Center. Among other STS-2 items on display is an OSTA-1 payload exhibit.

Spacesuits, simulated moon rock, a lunar-rover designed to navigate the surface of the moon, capsules that were used in the Mercury and Gemini programs, satellite displays and many historical and educational exhibits are located in two buildings open to all visitors.

Attendance at the Visitors Center is measured by adding 20 percent to the number of people who took the bus tour of KSC. The tour attendance for November was 81,123. Bus tour patronage is up by about 20 percent over November, 1980, and about 27 percent for the entire year over 1980.

Patrons of the tour on Nov. 25 had the opportunity to witness the return of the Shuttle Orbiter on top of the 747/Shuttle Carrier Aircraft.

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As the yearly attendance record shows signs of reaching an all-time high in 1981, the Visitors Center will embark on a \$6.5 million expansion plan in 1982. Design reviews will be completed and ground-breaking for new facilities will begin by early 1982.

An Imax theater, one of the most unique movie theaters in the world with a five-story screen, will begin construction in 1982 with completion scheduled for late 1983

December 11, 1981

SI-SRV-1

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~~Frank Barrett~~

M. Kenwick

NASA News

IF.5 #18

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
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For Release:

KSC RELEASE NO. 320--81
Dick Young, 305-867-2468

Immediate

SPACE SHUTTLE LANDING FACILITY OPEN FOR SANTA'S USE

KENNEDY SPACE CENTER, Fla. - It's that time of year again and once again NASA has passed word to Santa's Workshop at the North Pole that its Shuttle Landing Facility is available for emergency touchdowns.

"We've updated Santa with our tower frequencies and given him the latest NOTAMs (Notice To Airmen)," said Bill Study, airport manager. Study also noted that private contributions have made it possible for Santa to install an autoland system on his sled similar to that carried on Space Shuttle orbiters.

"Using that system," said Study, "Santa can tie in with our our Microwave Scanning Beam Landing System and make a safe landing under zero--zero conditions."

Santa, too, has been hard hit with budget cuts and has been unable to replace his team of aging reindeer. Neither Dancer nor Prancer, for instance, can live up their names anymore and it is reliably rumored that Blitzen blew a hoof during last Christmas Eve's gift operation.

"Those deer aren't kids, anymore," noted Study. "They were old when I was a kid and that's been more than half a century ago. And it's not inconceivable that deer that old could blow an antler or lose a vital system in their annual rounds."

No government expense is involved in making the SLF (Santa Landing Facility) available to Ol' Saint Nick on Christmas Eve. No personnel will be on duty and the automated landing system will be left on in the automatic mode.

KSC's Shuttle Landing Facility is one of the world's largest landing strips and measures 15,000 feet in length and 300 feet in width. It is likely that it will be used for the first time for a shuttle landing during 1982.

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December 21, 1981

NASA News

IF.5 #18

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National Aeronautics and
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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
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For Release:

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Roland Raab
AC 305 867-2468

Immediate

KSC LAUNCH TEAMS TO BE BUSY IN 1982

KENNEDY SPACE CENTER, Fla. -- NASA planners have set their sights on an ambitious launch schedule for the coming year: 10 expendable vehicle launches and three Space Shuttle flights, including the first operational mission.

Of the 10 expendable vehicles, seven will be Delta rockets and three will be Atlas Centaurs. One of the Deltas will be launched from KSC facilities at Vandenberg AFB, Calif., and will carry the only non-communications satellite to be launched this year.

The launch scorecard for 1982 begins in mid-January with RCA-C¹, aboard a Delta. February will see another Delta, this one boosting WESTAR-IV into orbit.

March will be a busy month, beginning with an Atlas Centaur rocket with an INTELSAT V F-4 satellite for the 106-nation International Telecommunications Organization, and perhaps ending with the launch of the third Space Shuttle mission (STS-3) with its OSS-1 astronomical investigations package on a seven-day flight.

April and May will have a Delta and its INSAT-1A payload and an Atlas Centaur with its INTELSAT V F-5. There are no launches currently listed for June.

July will again have two launches, an earth resources satellite, LANDSAT-D aboard a Delta from Vandenberg AFB, and the fourth Space Shuttle mission (STS-4) from KSC carrying a Department of Defense payload. The action then continues in early August with a Delta rocket and its TELESAT-F payload, also called ANIK-D, a Canadian communications satellite.

Launch teams get what would be a three month break at this point, were it not for a Delta launch in late September. The payload for that launch is WESTAR-V. November will see the fourth Delta in a row, with RCA-E as its payload, and will be highlighted by STS-5, the first operational mission of the Space Shuttle. That flight is listed as carrying two communications

- more -

satellites, SBS-C and TELESAT-E and their boost stages plus an experiments pallet, OSTA-2. The mission is scheduled to last five days.

The last launch of 1982 is now listed as being an Atlas Centaur, carrying INTELSAT V F-5A, the third Atlas Centaur and INTELSAT combination for the year.

The WESTARS are being launched for Western Union, the RCA satellites are part of the RCA Satcom Network, the SBS series is owned and operated by Satellite Business Systems, the TELESATS are being orbited for Telesat Canada and the INSAT will be launched for India.

The communications satellites missions are classed as reimbursables, meaning that NASA will be reimbursed for the cost of the launch vehicles and launch operations. Communications satellites are placed in stationary orbits at selected points 35,600 kilometers (22,250) miles above the equator. Their orbital speed is synchronized with that of the Earth's rotation and they appear to hang or hover over their assigned duty stations.

December 23, 1981

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NASA News

National Aeronautics and
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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
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1F.5 #18

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Ann Skinner
Area Code 305 867-2468

Immediate

KSC CONSTRUCTION GEARED TOWARD REGULAR SPACE SHUTTLE FLIGHTS

KENNEDY SPACE CENTER, Fla.--Construction of a major new Space Shuttle project is expected to begin next spring at the Kennedy Space Center, and work on other projects to support a regular schedule of shuttle launches continues.

The new project is a complex of buildings north of the Vehicle Assembly Building to process and store Solid Rocket Motor segments. The aft skirts and aft propellant segments of Solid Rocket Boosters will also be assembled there.

The complex will include a main building, to be known as the Rotation/Processing Facility, a support building and two storage buildings. When complete it will enable KSC to store two sets of Solid Rocket Boosters and to support up to 20 launches a year.

Each Space Shuttle mission uses two Solid Rocket Boosters, each 45.46 meters (149.6 feet) long and 3.7 meter (12.16 feet) in diameter, to provide the main thrust to lift the shuttle off the launch pad. They are attached to the external fuel tank that supplies the spacecraft's main engines and separate from the tank once the shuttle has achieved sufficient velocity to allow the main engines to accomplish orbital insertion. All portions of the boosters, except for nozzle extensions, are recovered at sea by two specially equipped ships. They are the largest solid propellant motors ever flown and the first designed for reuse. Each casing is expected to be flown 20 times.

Each booster consists of four segments, loaded with a total of 1,110,290 pounds of high energy propellant. A forward assembly houses the ignition system and other instrumentation, and the nose section contains the parachutes that allow the rockets to be recovered. The aftmost section houses the nozzle and thrust control system and supports the shuttle as it stands on the pad before launch.

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Live Solid Rocket Motor segments arriving at KSC for assembly are now received, processed and inspected in High Bays 2 and 4 of the Vehicle Assembly Building. Moving these operations and the aft assembly to a separate building will reduce hazardous conditions in the VAB and speed shuttle turnaround time by eliminating scheduling conflicts between the hazardous SRM work and non-hazardous work also done in the VAB on the orbiter, the external tank and assembled boosters.

The main building and storage buildings in the new complex will be constructed with steel frames designed to resist hurricane force winds. Two 200-ton cranes will be installed to handle the segments, which weigh about 160 tons each.

The Refurbishment and Subassembly Facility in the west Low Bay of the VAB will continue to be used for the build-up of inert booster segments such as the nose assembly and the forward and aft skirts. Recovered booster segments will also be processed there before being moved to the new facility for loading onto railcars for return to the manufacturer for reloading with propellant.

Two other projects that will expand KSC's shuttle launch capability are expected to wind up next summer. Construction of a second bay in the Orbiter Processing Facility, which corresponds to an airplane hangar and where certain cargo is loaded and unloaded, is expected to be finished next summer. Conversion of a Mobile Launcher Platform used in the Apollo program will also be completed.

A third firing room in Launch Control Center is being prepared, and High Bays 1 and 2 in the VAB are to be readied for Space Shuttle assembly.

Launch Complex 39's Pad B, which will provide a second shuttle launch site is expected to be ready for use in 1986.

Projects completed this year to support Space Shuttle operations were the Vertical Processing Facility in the KSC industrial area and the Life Sciences Facility in KSC's Hangar L on Cape Canaveral Air Force Station.

The Vertical Processing Facility formerly housed the Sterilization and Encapsulation Facility used during the Viking program to explore the planet Mars. This building will be used to assemble shuttle cargos that must be stacked vertically -- such as a communications satellite and the upper-stage rocket motor required to fire it into a higher orbit than the shuttle can reach. These vertical cargos are then taken to the launch pad for installation in the orbiter's payload bay.

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The Life Sciences Facility is a holding and preparation area for experiments involving plants or animals that are scheduled to fly aboard the shuttle. The environment can be controlled according to the various requirements of different experiments.

KSC is the primary launch and landing site for the Space Shuttle, a revolutionary new transportation system designed to carry scientific, commercial and defense cargo into space and to return to earth.

For shuttle operations KSC engineers and designers have relied largely on converting facilities used in the Apollo program of moon exploration for Space Shuttle use although the two vehicles are very different.

The Orbiter Processing Facility, the Shuttle Landing Facility and the new Rotation/Processing Facility are the only completely new structures required for shuttle operations. Tentative plans call for a second Rotation/Processing Facility when needed with an additional storage building.

The Space Shuttle made its first experimental flight in April and its second in November. Two more developmental flights are scheduled before regular operations begin in 1982.

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Dec. 22, 1981

NASA News

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National Aeronautics and
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John F. Kennedy Space Center
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Immediate

NOTICE TO EDITORS/NEWS DIRECTORS:

GETAWAY SPECIAL VERIFICATION PAYLOAD SHOWING SET JANUARY 5

KENNEDY SPACE CENTER, Fla. - The Getaway Special Flight Verification Payload scheduled for flight on the STS-3 mission next spring will be displayed for the press at 10 a.m. on Tuesday, January 5.

The GAS payload and its canister will be displayed at Hangar S at Cape Canaveral Air Force Station and a number of officials connected with the project from the Goddard Space Flight Center and Kennedy Space Center will be on hand to discuss this first payload and those to follow.

"Getaway Specials" are small self-contained payloads which will be flown on the Space Shuttle on a space-available basis beginning with the STS-5 mission. They are available to industry, educational organizations and domestic and foreign governments for legitimate scientific purposes and more than 320 have been sold to date.

The purpose of the verification flight is to monitor the conditions inside and outside the payload canister in which they will be carried into space.

Media representatives with permanent credentials may drive directly to Hangar S where they will be met by public affairs personnel. Those without permanent credentials should contact the KSC News Center at Area Code 305-867-2468 to make the necessary clearance arrangements. This latter group will meet at the News Center at the Complex 39 Press Site at 9:30 a.m. on January 5 and proceed to Hangar S.

To help us in planning, we are requesting media representatives to notify us in advance if they intend to take in this press briefing.

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December 28, 1981